CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, April 23, 1908.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids close.	Work.	Place.	See issue.
4-29*	Sewer,	Louisville, Ky.	(P. & S.) 4-16
4-30*	Dredging,	Boston, Mass.	(S.) 4- 9
5- 1	Floating crane,	Quebec, Que.	(S.) 2-20
5- 1*	Reduction works,	Columbus, Ohio	(S.) 3- 5
5- 1*	Concrete seawall,	Key West, Fla.	(P. & S.) 3-26
5- 4	Dredging,	Wilmington, Del.	(S) 4- 9
5- 4*	Water system,	Milan, Mich.	(S) 4-23
5- 7*	Dredging,	Bangor, Me.	(S.) 4- 9
5- 7*	Jetty,	Savannah, Ga.	(S.) 4- 9
5- 7*	Dredging,	Wilmington, Del.	(S) 4- 9
5- 9*	Dock,	Chicago, Ill.	(S) 4-16
5- 9*	Dredging,	Chicago, Ill.	(S) 4-16
5-11	Seawall,	Newport, R. I.	(P. & S.) 4- 9
5-16	Lighting system,	New Ft. Lyon, Colo.	(S.) 4- 9
5-20*	Iron fence,	Ft. Ontario, N. Y.	(P. & S.) 4- 9

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5- 9 Span, Vale, Ore..... 4-23
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4-29 Wharf, Ft. Totten, N. Y..... 4- 9
4-29 Ditch, New Castle, Ind..... 4-23
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5-15* Dredging, Norfolk, Va..... 4-23
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5-12 Inspector Light & Power, New York 4- 9
5-13 Electrician, Columbus Barracks, Ohio 4-16

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

ALEXANDRIA, LEESVILLE, LUFKIN & WESTERN.—Preliminary survey is being made for this line between Alexandria and Leesville, La. J. FARROW, of Leesville, La., has contract for grading. W. J. Sharp and Michael O'Brien, of Leesville, La., and P. H. Signor, of Shreveport, La., are the promoters. The Progressive League of Leesville, has adopted a resolution to subscribe $30,000 by citizens of Leesville for this proposed railway.

ALTUS, ROSWELL & EL PASO.—Incorporated in Oklahoma to build from Altus, Okla., southwest to El Paso, Tex., 400 miles. Capital stock, $3,000,000. The incorporators are: Edward Kennedy, Houston, Tex.; H. E. Chapman, Cage Beach, J. G. Adkins and John D. Rogers, all of Altus, Okla. Noted on March 19.

CAIRO & NORFOLK.—This company will "construct a new independent trunk line railroad from the Mississippi River, at or near the mouth of the Ohio River, by the most direct air line through Kentucky and Virginia to the Atlantic seaboard, making a terminal at or near Norfolk, Va. The total trunk line will be approximately 850 miles in length, with approximately 700 or 800 miles of branch line to feed and sustain the main trunk. The present plans contemplate the early construction of about 400 miles of main line from Wickliffe and Fort Jefferson, Ky., upon the Mississippi River, just below the mouth of the Ohio, and distant about four miles from Cairo, Ill., to some point upon the Kentucky and Virginia State lines, probably Bristol. Surveys and preliminary lines have been run over this territory, and a direct and feasible route is easily obtained with low grades and every advantage for heavy traffic." Officers are as follows, officers being ex-officio members of the board: L. W. Goode, Pres., 111 Broadway, New York; B. A. Neale, First Vice-Pres.; H. C. Neale, Second Vice-Pres.; Robert E. Lockridge, Treas.; E. S. Beaumont, Secy., all of Mayfield, Ky.; E. C. Weston, Asst. Secy., Wickliffe, Ky.; W. A. Usher, Mayfield, Ky.; E. E. Weston, 111 Broadway, New York City; M. W. Keeley, Madison, Wis.; Curtis B. Goode, Dunkirk, N. Y., and Frank R. Allen, Passaic, N. J. The contractor will be the ATLANTIC & CAIRO CONSTRUCTION CO., 111 Broadway, New York. The construction company will probably sublet to a large extent, but is not yet ready to announce its plans nor to ask for any bids. Noted on March 26.

CANADA.—The House of Commons on April 8 passed a resolution unanimously declaring that the time had arrived for the early construction of a railway to Fort Churchill on Hudson Bay. Hon. Frank Oliver, Minister of the Interior, speaking for the government, said that definite announcement as to the intention of the government would be made before the session closed.

CHICAGO, MILWAUKEE & ST. PAUL.—The State Railroad and Warehouse Commission has granted permission to the C., M. & St. P. Co. to build a cut off on its main line from Hastings to Red Wing, Minn., which will cut out the stations of Etter and Eggleston, on condition that it will grade and keep up the wagon roads from the present stations to the new stations.

COLORADO, HEREFORD & GULF.—At a recent mass-meeting of residents of Deaf Smith and Castro Counties, held at Hereford, Tex., $50,000 were subscribed for the proposed Colorado, Hereford & Gulf R. R. It will be constructed by the CULLEN CONSTRUCTION CO., of Newark, N. J.

COLORADO & NORTHERN.—Paul Blount, Ch. Engr., 820 Equitable Bldg., Denver, Colo., advises us that surveys have been made for the proposed Hayden-Hahn's Peak line. It will be 60 miles long. Capital has not been obtained. Right-of-way is secured. Date for letting contracts is indefinite. B. L. Dorsey is Pres., St. Louis, Mo. Noted fully on Jan. 23.

COLUMBIA RIVER, OUTLOOK & NORTHERN.—W. McF. Stewart, Pres., Outlook, Wash., advises us that construction contracts will not be let before next fall. It is planned to complete all surveys and the preliminary work of securing right-of-way this year. The proposed road will extend from Vancouver to Spokane, Wash., 300 miles.

DANVILLE, COLUMBIA & SCOTTSVILLE.—EDWARD BURNS, of Springfield, Mo., has been awarded a contract for grading 160 miles of this railroad. Grading will begin at McKinney, Ky., and extend southward from that point. The new road will run trains over the Cincinnati Southern from McKinney to Danville, a distance of 14 miles. The shops and principal offices will be located at Danville, Ky. Noted on April 2.

ELGIN, WOODSTOCK & LAKE GENEVA.—Incorporated in Illinois to build a railroad from Elgin to a point near Richmond Township, McHenry County, Ill. Principal offices will be at Elgin. Capital stock, $25,000. Incorporators: G. W. Young, Algoma, Wis.; Frank R Spear, George H. Bryant, William C. Hascall, Chicago; John A. Kirkland, Elgin, Ill.

GALVESTON TERMINAL.—Stockholders have approved a bond issue not to exceed $5,000,000 to construct terminals on Galveston Island for the Rock Island-Frisco and Colorado Southern lines, which make their entrance into Galveston over the tracks of the Trinity & Brazos Valley. About $1,000,000 has already been expended and the improvements will be completed as rapidly as possible, it is reported.

GEORGIA & FLORIDA.—A. & C. WRIGHT, of Atlanta, Ga., have been awarded an additional contract to build nine miles of the Georgia & Florida Ry. between Douglas and Garrant, Ga., to which will probably be added ten miles between Garrant and Hazlehurst, Ga. An additional contract probably will be let within a month for construction between Vidalia and Hazelhurst, Ga. These contractors were recently awarded the contract for 28 miles between Valdosta and Nashville, Ga. Noted last week.

GRAND TRUNK PACIFIC.—An extension of time of two years has been granted for the following branches from the main line of the Grand Trunk Pacific: (1) Belt line around the City of Winnipeg, Man., to connect with the other railway systems, and passing, if deemed advisable, through the outlying portions of that city. (2) From Winnipeg, Man., to a point on the international boundary within a distance of 25 miles east or west of the Red River. (3) From Neepawa, Man., to a junction with the Grand Trunk Pacific to Brandon and from thence to Regina, Sask. (4) A line from Brandon to a point on the southern boundary of the province in the vicinity of Turtle Mountains. (5)

From a point on the western division in the vicinity of Township 22, range 6, west of the second meridian, to Yorkton, Sask, and from thence to a port on Hudson Bay. (6) From the same point as the above branch southward to Regina, Sask, and thence to the international boundary near North Portal. (7) From a point on the western division between 105th and 107th degrees of longitude to Prince Albert, Sask. (8) From a point on the western division between 108th and 109th degrees of longitude to Prince Albert, Sask. (9) From a point on the western division between 111th and 113th degrees of longitude to Calgary, Alta., and from thence to the international boundary near Coutts, Alta. (10) From Vancouver, B. C., to a junction with the Grand Trunk Pacific or to a junction with the Pacific Northern & Omineca R. R. or both between the 122d and 124th degrees of longitude. (11) From a point on the north shore of Vancouver Island, southerly to Victoria, B. C. (12) From a point on the western division between 127th and 129th degrees of longitude to Dawson City, Yukon Ter.

NEBRASKA, KANSAS & SOUTHERN.—We are officially advised that contracts will be let by this company soon for building this railway, which will extend from Superior, Neb., to Garden City, Kan., 267 miles. Surveys have been made from Garden City to Stockton, Kan., 167 miles. Right-of-way has been obtained for 40 miles. Capital is partly secured. J. C. Hopper is Pres., Ness City, Kan.; F. T. Burnham is Vice-Pres., Dwight Bldg., Kansas City, Mo.; Baxter L. Brown is Ch. Engr., Laclede Bldg., St. Louis, Mo. Previously noted.

NORTHERN EMPIRE.—Application for incorporation is being sought by a company under this title to build a line of standard-gage railway from a point on the international boundary near Cradston, Alta., northerly through Lethbridge, Fort McMurray and Fort Vermilion, Athabaska, to Dawson City, Yukon, an approximate distance of 1,900 miles. Power is also sought to issue securities to the value of $30,000 per mile. The incorporators are H. Roy, R. Balfour, Ottawa, Ont.; J. J. B. Gosselin, Notre Dame de Stanbridge, Que.; J. J. Flutot, Frank, Alta., and E. Hoffman, New York City.

TENNESSEE.—The Board of Trade of Lafayette, Tenn., is interested in plan to secure a railroad for Lafayette. Dr. M. H. Allen is Pres.

WASHINGTON, WESTMINSTER & GETTYSBURG.—It is officially announced that the plan for a railroad from Washington to Gettysburg, Pa., via Westminster, Md., and Littlestown, Pa., 90 miles, has been financed, and right-of-way is now being closed up. Walter Atlee, of Washington, D. C., is Ch. Engr. Entrance to Washington will be over the proposed Washington, Spa Spring and Gretta Railway. Noted on Feb. 20.

ELECTRIC RAILWAYS.

BIDDEFORD, ME.—Surveys are completed and contract will be let soon by the Biddeford Pool Elec. Ry. Co. for building its proposed line from Biddeford to Biddeford Pool, a distance of about 15 miles. Charles W. Moses is Pres., Biddeford; George E. Getchell is Ch. Engr., Augusta, Me.

HARTFORD, CONN.—A special meeting of the stockholders of the Stafford Springs St. Ry. Co. will be held at the office of the company, 739 Main St., Hartford, May 5, for the purpose of taking into consideration the matter of selling to the New York, New Haven & Hartford R. R. Co. all the property, rights, contracts, powers, privileges and franchises of the corporation.

TRENTON, N. J.—A bill has been passed by the Legislature which will aid trolley extension in smaller cities and rural communities. The measure is an amendment to the act of May 8, 1907, relative to the granting of franchises by municipalities, requiring a referendum in case of application for the use of streets and highways, and providing that franchises shall not be granted for more than 20 years. Under the Robbins amendment the old law will not apply to municipalities having a population of less than 12,000 and the franchise cannot be granted for a period longer than 50 years.

MANOR, PA.—Company has been formed to build an electric railway from Manor to Claridge. Survey is now being made. H. A. Lauffer is Pres.; William J. Komeren, Vice-Pres.; John Naley, Secy.; F. R. Rankin, Treas. The directors are: H. Paul Lauffer, James Ferguson, Dr. John Long, M. N. Clark, John Sowash, John R. Sowash, Peter Naley, Frank Beiter, H. A. Lauffer, Peter Flaherty, W. F. Brinker. Headquarters will be at Irwin, Pa.

RICHMOND, VA.—The South Richmond Railway Co. has been incorporated to build an electric railway about five miles long in the vicinity of Richmond, Va. C. P. E. Burgwyn, of Richmond, is Ch. Engr. Among others interested in the company, which has been incorporated for several years, are: Dr. C. Archer, R. B. Chaffin, W. B. Frayser, R. H. Nelson, J. W. Reams, Franklin Stearns and J. W. Turner, of Richmond.

WHEELING, W. VA.—Albert M. Schenk, J. J. Holloway, B. W. Peterson and G. O. Nagle, with T. J. Stringer, contractor, all of Wheeling, are interested in project to extend the Wheeling Traction line from Rayland, Ohio, to Dillonville, Ohio, seven miles, connecting at that point with the Lake Erie, Alliance & Wheeling R. R., and giving that road an entrance into Wheeling for passengers.

SPARTANBURG, S. C.—We are officially advised that the Greenville Interurban Ry. Co. has not made survey or raised funds for building this proposed line. It will run between Spartanburg and Greenville. John C. Carey, Greenville, S. C., is Pres.; Lockwood, Greene & Co., 93 Federal St., Boston, Mass., are the Engrs. Noted fully on March 5.

CHARLESTON, S. C.—The Charleston & Summerville Electric Railway Co. stockholders will hold a meeting on May 20 to increase its capital stock by the issue of not over $249,500 in common shares and $100,000 in preferred shares. The company proposes to complete its line between Charleston and Summerville, 27 miles, on which construction ceased some time ago. George Tupper of Charleston, S. C., is Secy. and Treas. This project was fully noted on March 26.

ATLANTA, GA.—The Atlanta & Carolina Ry. Co., which proposes to build an electric interurban railway from Atlanta to Augusta, Ga., 175 miles; also from Atlanta to West Point, Ga., has been authorized by the Railroad Commission to issue $6,000,000 of bonds. J. W. English is Pres.; Matthew Mason is Vice-Pres, Gen. Mgr. and Ch. Engr.; both at Atlanta. Noted on April 2.

JESUP, GA.—We are officially informed that the Goose Creek R. R. & Power Mfg. Co., of Jesup, will let contracts in about 60 days for grading, track-laying and dam work in connection with its proposed electric railway from Jesup to Tar Landing, on the Altamaha River, 24 miles. Surveys are made and right-of-way obtained. More capital will be required. Construction will begin as soon as plans and specifications are completed. W. H. Whaley is Pres., Jesup; D. G. Zeigler & Co., Atlanta, Ga., are the Engrs. Noted on Feb. 27.

MANCHESTER, KY.—We are officially advised that the Manchester Traction Co. is the title of a company which proposes to build an electric line between Manchester and Barbourville, Ky., 25 miles. Right-of-way has been secured. Survey has not been made yet. Date for letting contracts is indefinite. Louis des Cognets is Pres., Lexington, Ky.

FINDLAY, OHIO.—It is planned to begin construction work soon on the Findlay & Marion Ry. & Light Co.'s proposed line between Marion and Findlay. It will be about 46 miles long. R. P. Hankey is Pres., Detroit, Mich.; G. W. Meeker is Secy. and Treas., Columbus, Ohio.

BOWLING GREEN, OHIO.—The County Commissioners have granted a franchise to the Lake Erie, Bowling Green & Napoleon Ry. Co. to lay its tracks from Bowling Green west to the county line at Grand Rapids, Ohio. This company plans to build this summer a 7-mile extension from Bowling Green to Tontogany, Ohio. E. H. Knight is Gen. Mgr. and Vice-Pres.

XENIA, OHIO.—The Commercial Club of this city is considering several propositions which were submitted by the proposed Cincinnati, Wilmington & Xenia Traction Co. The line will be built from Xenia to Port William, thence to Wilmington and to Blanchester, Ohio. J. N. Carewell, of Philadelphia, and J. M. Gore, of St. Louis, are interested.

DECATUR, IND.—M. M. Lacey, of Fountain City, Ind., is interested in a project to build an electric railway between Decatur and Richmond, Ind.

INDIANAPOLIS, IND.—The Indianapolis, Cloverdale & Terre Haute Traction Co. has been incorporated in Indiana to build an electric railway between Indianapolis and Terre Haute, through the counties of Marion, Morgan, Putnam, Clay and Vigo, and serving the following towns and cities: Indianapolis, West Newten, Mooresville, Gasburg, Monrovia, Hall, Eminence, Cloverdale, Polen, Ashville, Brazil and Terre Haute. Capital stock, $10,000. Incorporators are E. M. Bowman, H. T. Butze, Kenlad Veit and Dennis Rutherford, all of Indianapolis, Ind.

WOODSTOCK, ILL.—The Woodstock & Sycamore Traction Co. has been incorporated in Illinois to build an electric railway from Woodstock, McHenry County, to Sycamore, De Kalb County, Ill., 38 miles. Incorporators are Clinton G. Lumley, E. C. Spinney, Irving W. Stephens, E. B. Harang, S. H. Rhodes, William L. Abbott, George W. Lyndon, George T. Goodrow, Henry P. Heiser, N. G. Schmitz and Charles A. Spenny. It is officially announced that construction will be started this summer. The power station and repair shop will be built at Marengo, Ill. The company has a capital stock of $1,000,000, of which $25,000 has been issued. Bonds have also been authorized to the amount of $1,000,000. The officers are as follows: E. B. Haraug, 1210 Tacoma Bldg., Chicago, Ill., Pres.; E. C. Spinney, 501 Chicago Savings Bank Bldg., Vice-Pres.; Chas. A. Spenny, 1210 Tacoma Bldg., Chicago, Ill. Secy. and Treas.

ALTON, ILL.—The Alton, St. Louis & Cairo Ry. Co. has been incorporated to build an electric railroad from Alton, through Madison and St. Clair Counties, to East St. Louis, and from East St. Louis to Cairo, through the counties of St. Clair, Monroe, Randolph, Jackson, Union and Alexander, with a branch to Columbia, Waterloo and Mammoth Cave in Monroe County. The incorporators and first Board of Directors are: B. L. Renfrow, Dr. C. Walters, William L. Ensol, George M. Switzer and C. B. Meredith, all of Springfield, Ill. The promoter and financier of the road is Col. Thomas N. Chase, of St. Louis. The right-of-way from Alton to Cairo has been secured.

DES MOINES, IOWA.—M. H. Miller, Vice-Pres. of the Des Moines & Sioux City Ry. Co., Fort Dodge, Iowa, advises us that right-of-way is partially obtained for the proposed electric railway which will run from Des Moines to Lake City, Sac City, Storm Lake and Sioux City. Surveys have not been made yet. Company has been incorporated with $20,000 capital for preliminary surveys, etc. Officers are as follows: Pres., S. N. Elwood, Sac City; Vice-Pres., M. H. Miller, Fort Dodge; Secy., A. O. Anderson, Lake City; Treas., E. M. Bailey, Sac City. Noted on Feb. 27.

WATERLOO, IOWA.—The Iowa R. R. Co. has been incorporated in Iowa to build an electric railway from Waterloo to Perry, Iowa, via Cedar Falls, Normal, Lincoln, Grundy City, Eldora, Hubbard, Story City and Boone, with a branch from Story City to Ames, a total distance of 127 miles. The cost of construction and equipment for 127 miles of line has been estimated at $3,868,600. The power-house is to be located at Eldora. At Ames the line will connect with the Fort Dodge, Des Moines & Southern R. R. It is proposed to secure trackage rights over this line into Des Moines. The Iowa R. R. was incorporated on March 31 under the laws of Iowa, with $100,000 capital stock. The charter includes authority to extend the line into any part of the state and to operate other public utilities. It is proposed to build at first only the section from Eldora to Ames. The officers of the company are: Henry S. Osborne, Chicago, Pres.; Andrew Stevenson, Chicago, Vice-Pres. and Gen. Mgr.; James F. Hardin, Eldora, Second Vice-Pres. and Treas.; Frederic P. Vose, Chicago, Counsel; L. W. Harris, Eldora, Secy. Geo. W. Scott is Consult. Engr., 188 Madison St., Chicago.

JOPLIN, MO.—We are officially advised that bids will be received from contractors at the office of A. L. Register & Co., Miners Bank Bldg., Joplin, at once, for laying 25 miles of 70-lb. rail between Joplin, Mo., and Pittsburg, Kan., for the Joplin & Pittsburg Ry. Co. They will also award contracts for the complete construction, for the catenary and overhead lines between these points. Previously noted.

MEXICO, MO.—We are officially informed that the Mexico, Santa Fe & Perry Traction Co. has awarded general grading contract to J. M. WOLFE, of Collinsville, Ill., and Box 452, Mexico, Mo. This railway will extend from Mexico to Molino and Santa Fe and to Perry, 27 miles. This company was incorporated in April, 1907, with capital stock of $850,000. S. L. Robinson is Pres.; W. Gaither, Secy. and Treas.; T. T. Henderson, Asst. Secy.; C. C. Heiser, First Vice-Pres.; C. W. Mundy, Second Vice-Pres.; W. J. Bates, Third Vice-Pres.; C. O. Thon, Ch. Engr. Directors are T. Runkel, G. Zaugg, Ashby Botts, W. M. W. Braden, all of Mexico, Mo. Noted on Nov. 14, 1907.

CASSVILLE, MO.—The Cassville & Western Ry. (steam), which now connects Exeter and Cassville, Mo., five miles, will be electrified and extended. S. M. Mitchell is Pres. and Gen. Mgr.

DURANT, OKLA.—The Commercial Club is considering a proposition to build an electric railway to run from Durant to Red River and Albany. Clarence Walters is interested.

SEATTLE, WASH.—Alfred V. Bouillon has been appointed Superintendent of Public Utilities in this city. His term of office expires Dec. 31, 1909. "He is to have supervision over all franchise public service companies in their relations with the city and is to act as the official adviser of the city in all matters pertaining to franchises. All applications for franchises will be referred to him and his recommendations will be presented to the City Council. He is required to see that the provisions of all franchise ordinances are properly enforced and to present to the Board of Public Works, of which he is an ex-officio member, recommendations from time to time as to such changes or betterments in the equipment of public service companies as may be required to insure the safety and comfort of the public."

PORTLAND, ORE.—The extension of the Oregon Elec. Ry. from Salem to Albany, 27 miles, probably will be started this summer. Construction of the line between Garden Home and Hillsboro, twelve miles, is under way. The contractor is the WILLAMETTE CONSTRUCTION CO., of Portland. W. S. Barstow & Co., 50 Pine St., New York, are Engrs. Guy W. Talbot, Failing Bldg., Portland, is Gen. Mgr.

RIVERSIDE, CAL.—We are officially informed that GARNSEY & PITZER, 217 West Second St., Los Angeles, Cal., have been awarded contract for grading the San Bernardino Traction Co.'s extension from Riverside to Colton, Cal., seven miles. Surveys have been made and right-of-way partly secured. George Kirtz is Pres. and Ch. Engr., Los Angeles, Cal.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

WESTFIELD, MASS.—The BIGELOW CO., 92 River St., New Haven, Conn., has been awarded the contract for installing a 150-HP. tubular boiler in the municipal electric light plant. George Pettibone is Mgr. of the plant.

HOLYOKE, MASS.—Wm. H. Snow, Mgr., has awarded contract to CASPER RANGER, at $41,000, for construction of an addition to the municipal plant for electric lighting.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, until 11 a. m., May 4, for installing electric equipment in new Public School No. 56, on the corner of Elm St. and Orchard Ave., Richmond Hill, Boro. of Queens.

*WEST POINT, N. Y.—Bids are asked until noon, May 11, by the Quartermaster, West Point, for furnishing and installing electric and combination gas and electric light fixtures for Officers' Quarters.

HOBOKEN, N. J.—Plans are being made by the New York & New Jersey Telephone Co. to place all its wires underground in this city by Aug. 1. The cost of the work is estimated at nearly $50,000. It is the intention of the city to compel the Public Service Corporation and the Western Union and Postal Telegraph companies to place their wires underground.

ETTERS, PA.—Charles Williams, of Goldsboro, York County, has donated a plot of ground along the Little Conewago Creek for a site for an electric light plant which will be built by the Council of this borough. An ordinance has been passed appropriating $9,000 to defray the expense of erecting a power house and installing the machinery. A dam will be built in the creek which will furnish power for the dynamos. About 25 arc lights of 2,000 c. p. will be used in lighting the streets. Everything will be done and operated by the Borough Council.

NEWVILLE, PA.—It is stated that the promoters of the Newville Electric Light Co. are arranging for the purchase of a tract of land located north of Newville. A dam will be constructed and the [illegible] at the site converted into a generating plant. A steam engine will be installed in the building to operate the dynamos until [illegible] water power can be utilized.

*WASHINGTON, D. C.—See Buildings.

JESUP, GA.—D. G. Zeigler & Co., Atlanta, Ga., Engrs., advise us that as soon as plans have been completed contracts will be let for building and equipping the proposed plant of the Goose Creek Railway & Mfg. Co. Power will be used to operate an electric railroad, cotton mills and other enterprises. Power will be supplied for lighting also. Estimated cost, $500,000.

NATCHEZ, MISS.—Krumb[illegible] & Aiken, Engrs., Denegre Bldg., New Orleans, La., will estimate cost of installing machinery in water-works plant to generate electricity for public lighting and for municipal offices.

FULLERTON, LA.—The Gulf Lumber Co. of Fullerton and St. Louis, Mo., has awarded contract to GENERAL ELECTRIC CO., Schenectady, N. Y., for three [illegible]-KW. generators and accompanying machinery to furnish light and power for plant and lights for this town.

NEW ORLEANS, LA.—The Charity Hospital, Edwin Marks, Secy.-Treas., has adopted plans and specifications by [illegible] Pender, Ch. Engr., for erection of steam plant to supply heat, power, light and electricity for hospital. The report recommends installation of a 600-HP. plant, costing [illegible], piping, costing $2,500, and erection of power-house, costing $8,000; total expenditure, $26,000. Bids for building plant are invited.

LOUISVILLE, KY.—The Jefferson County Fiscal Court has awarded contract to JOSEPH McWILLIAMS & CO., 71[illegible] West Market St., Louisville, to wire and light the First Regiment Armory. Estimated cost, $6,000.

LOGAN, OHIO.—Bids are asked by the Village Council until April 28, for lighting the streets, alleys and public places for a period of ten years; also for a period of three years, from Aug. 1, 1908, with not less than 50 arc lamps of 2,000 c. p. D. V. Thurness is Mayor.

CLEVELAND, OHIO.—Plans have been completed by George S. Rider, Consult. Engr., for an addition to the power plant of the Cleveland Worsted Mills Co., including construction of a boiler-house, coal bunkers, a 225-ft. brick chimney, mechanical stokers and water-tube boilers of 2,500 HP.

HAMMOND, IND.—We are officially advised that the Citizens' Light & Power Co. has been incorporated. It is the intention to construct a plant to be operated by steam. The company is applying for a franchise to operate gas and electric light plants. A. J. Campbell is official in charge.

PAOLI, IND.—Plans have been prepared for additions and improvements to the municipal electric light plant, which will include installing of a tubular boiler; a 75-KW. 250-volt generator, one 100-HP. engine, 5,400 ft. 70,000 cm. cable; heater, pump and all accessories. The cost of the work is estimated at $6,000. C. D. Stinson, of West Baden, is Engr.-in-Charge.

DECKER, IND.—The Hydro-Electric Co. proposes to build a dam on White River. It is expected that work will begin in May. Eugene Rush is Pres. and Mgr.

BURKHARDT, WIS.—Plans are being prepared by Edward P. Burch, Consult. Engr., Guarantee Loan Bldg., Minneapolis, Minn., for remodeling the electric plant and distributing system of the Burkhardt Milling & Electric Power Co.

MILWAUKEE, WIS.—At the municipal election held in Milwaukee April 7, the people voted in favor of proceeding with the erection and installation of a municipal lighting plant. Charles J. Poetsch is City Engr.

HUBBARD, MINN.—Knute Aaker of Hubbard and Elias Steenerson, Postmaster of Crookston, Minn., are interested in a company which proposes constructing a dam on Red River, near Hubbard, and constructing a power plant. In connection with the plant, it is reported that it is also proposed to construct an electric railroad between Fargo, Crookston and Grand Forks, and in time to be extended to Duluth and St. Paul and Minenapolis. George A. Ralph is Engr. State Drainage Bd. The Ambursen Hydraulic Co., 176 Federal St., Boston, have prepared plans and estimates at $250,000. The plans do not include a lock for the passage of boats. W. L. Church is Pres. of the Ambursen Hydraulic Co. Noted on Feb. 27.

BEULAH, WYO.—We are officially advised that the Black Hills Traction Co., Deadwood, S. Dak., will construct a power plant near Beulah to cost about $250,000. Plans are not complete and machinery has not been decided upon. Before further steps are taken a large amount of ditch, tunnel and flume work will have to be done. This in addition to the present plant. Franklin P. Wood is Supt.

AVA, MO.—The Ava Electric Ry. Co., J. B. Quigley, Ch. Engr., will build a power-house, with equipment to include a 300-KW. 3-phase, 60-cycle, 6,600-volt alternator, direct connected to water turbine, and two motor generator sets. Contracts for rails, ties, steel, water-power plant, auxiliary steam plant of 200-KW. capacity, grading, etc., will be let within 30 days.

DORA, MO.—The Martin Power Co. organized by S. R. Hammond of Dora, Thomas D. Martin, West Plains, Mo., and Dr. C. H. Martin and Charles K. Martin, both of Doniphan, Mo., contemplates building a dam and power plant on Big North Fork River, near Dora, and transmitting electricity for power and lighting purposes to West Plains, 200 miles distant. Charles K. Martin will be in charge.

FARMINGTON, MO.—Plans have been prepared for an electric-light plant. There will be a brick building, 30 x 40 ft., to be erected at cost of $1,500, with machinery to cost $20,000. Thomas B. Carter is Consult. Engr., 615 Frisco Bldg., St. Louis, Mo.; Carl Thompson, Engr.-in-Charge.

*TYLER, TEX.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., May 29, for installation of a conduit and electric wiring system for the U. S. post-office and court-house building and extension thereto at Tyler, Tex.

SEATTLE, WASH.—The Board of Regents of the State University, at a recent meeting approved the plans for the power plant to be erected at the State University. The cost of this plant will be from $75,000 to $100,000.

BREMERTON, WASH.—The contract for furnishing two boilers, flue connections, etc., at the Naval Station, Bremerton, Wash., has been awarded to the BABCOCK & WILCOX CO., 85 Liberty St., New York, N. Y., at $33,330, including Foster super-heaters and oil burners. Noted on April 2.

SHASTA, CAL.—J. W. Roper, of the Midas Gold Mining Co., of Shasta, announces that the company will expend between $40,000 and $50,000 in erecting a power plant on Bee Gum Creek to furnish power for the mine; 5,000 ins. of water have been filed by Mr. Roper and L. A. McIntosh.

HAGERMAN, IDAHO.—Preparations are being made by the Twin Falls Co. to begin work on the construction of a power plant on the Snake River at Lower Salmon Falls. It is expected to have the plant completed by the end of this year. The cost is estimated at between $400,000 and $500,000. The plant will furnish electricity for railway purposes.

PARIS, IDAHO.—The Bear Lake Electric Light & Power Co., Paris, Idaho, expects to make improvements to its plant which will cost about $12,000. These include a pipe line to convey water from a spring at the head of Paris Creek to the present power house. It is proposed to construct a new power-house, and when these plans are complete the plant will generate 1,000 HP., which will be distributed through the valley for lighting purposes and will supply current for the operation of an electric railroad from Montpelier to the lake. C. R. Slusser, Montpelier, Idaho, is Secy. and Treas.

BURLEY, IDAHO.—Plans are being prepared by Saunders & Vandenheuvel for an electrical plant and pumps to be installed at the dam at Burley. It is stated that contracts will be let the latter part of this month.

BOBCAYGEON, ONT.—Bids are asked by James Lithgow, Secy., Electric Comn., until May 6 for rock excavation for the Little Bob power-house, also for building a cement flume.

OSHAWA, ONT.—Bids are asked until May 1 by J. A. Schofield for lighting the streets of Oshawa.

EDMONTON, ALTA.—CANNEL & SPENCER have been awarded the contract for the construction of the power-house to be built in connection with the general hospital for $40,000. R. P. Barnes is Arch.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

PROVIDENCE, R. I.—A. Clapp, City Engr., has prepared plans for the construction of a bridge in Branch Ave., with concrete abutments and steel girders, estimated to cost $10,000, and for a bridge in West River St. to cost about $7,000.

MIDDLEPORT, N. Y.—Frederick K. Skene, State Engr., Albany, is preparing plans for a lift bridge over the barge canal. Bids will be asked by the State Department of Public Works.

BUFFALO, N. Y.—The Public Works Department has awarded the contract to the BUFFALO STRUCTURAL STEEL CO., 166 Dart St., for the construction of a foot bridge over the tracks of the Erie R. R. at Alabama St., at $5,164. Francis G. Ward is Comr. Pub. Wks.

ORISKANY, N. Y.—Paul Schultze, County Engr., Whitesboro, N. Y., has prepared plans and specifications for the construction of a 2-span steel bridge at Oriskany. Estimated cost, $6,400.

LE ROY, N. Y.—We are officially advised that the town of Le Roy in January, 1908, asked for competitive designs for the construction of a reinforced-concrete arch bridge over Oatka Creek. About 20 designs from different engineers and architects were submitted, and the plan of Dennison Fairchild, 935 Ellicott Sq., Buffalo, has been accepted and he has been awarded the prize for the best design. The town is going to build the bridge according to his plans, under the supervision of Geo. A. Ricker. Bids are asked until April 22.

ALBANY, N. Y.—The Central-Hudson Railroad Co. is having plans and specifications prepared for a structure to replace the Broadway viaduct.

ATLANTIC CITY, N. J.—The County Freeholders have directed E. D. Ritemire, County Engr., to prepare plans and specifications for the construction of a drawbridge at Dorset Place in Ventnor.

WESTFIELD, N. J.—The Union County Freeholders, Elizabeth, N. J., have decided to construct a bridge on South Broad St., Westfield.

TRENTON, N. J.—The Legislature has authorized the Freeholders of Hudson County to have a bridge constructed across the Hackensack River.

PITTSBURG, PA.—The County Commissioners announced on April 11 that two new bridges will be constructed, one across the Ohio River, connecting Sewickley and Coraopolis, and one across the Allegheny River at Oakmont. Each structure will cost $500,000.

*BARTO, PA.—The following bids were opened on April 10 by the County Commissioners for the construction of an 80-ft. reinforced-concrete arch bridge in Washington Township, near here: Ferro Concrete Co., $6,250; George H. Meinholtz, $7,146.22 according to plans of county, and $6,735.22 according to his own plans; WILLAUER & CO., Pottstown, Pa., $5,945 (awarded contract); Ackerman & Co., $6,800; Nelson Merydith Co., $7,285; Cramp & Co., $9,450; L. H. Focht & Son, $7,301; Charles T. Eastburn, $8,300 county plans, and $6,706 his plans. A. L. Rhoads is County Controller.

*DAUBERVILLE, PA.—Bids are asked until 10 a. m., May 1, by the County Commissioners for the construction of a reinforced concrete 4-arch bridge, 75 ft. long. A. L. Rhoads is County Controller.

MAUCH CHUNK, PA.—Bids are asked until 10.30 a. m., April 27, by the County Commissioners for the construction of two concrete abutments and four wing walls for the bridge across Popopoco Creek in the Township of Towmensing. S. W. Hofford is Clk. Comrs.

KINGS FERRY, GA.—Bids are asked by the Commissioners and ex-officio judges of Chatham County, Savannah, Ga., until May 14 for furnishing material and erecting a steel highway drawbridge over the Great Ogeechee River at Kings Ferry. G. Reuben Butler is Clk. Comrs.

COLUMBUS, GA.—Bids are asked by the Bridge Commission of the City Council until noon, May 27, for the erection of either a steel or a reinforced concrete bridge across the Chattahoochee River at Dillingham St. W. C. Campbell is Supt. Pub. Wks. T. L. Gruzard is Chn. Bridge Com.

JACKSONVILLE, FLA.—The Board of County Commissioners has awarded contracts for constructing two steel bridges on the Beach Road across the Big Pottsburg and Silversmith Creeks to the CONVERSE BRIDGE CO., of Chattanooga, Tenn. Bids for this work were opened on April 8.

BIRMINGHAM, ALA.—H. B. THOMPSON, 1002 English-American Bldg., Atlanta, Ga., has been awarded contract for four concrete bridges by the Board of Revenue of Jefferson County.

GULFPORT, MISS.—Bids are asked by the Board of Supervisors of Harrison County until noon, May 4, for the construction of a drawbridge across Tchoutacabouffa River, near Morris Ferry. F. S. Hewes is Clk. Bd.

PIKEVILLE, KY.—Bids are asked by the County Commissioners until noon, May 18, for constructing the substructure and superstructure of a bridge across the Big Sandy River at Pikeville.

DAYTON, OHIO.—Council Committee has authorized the sale of $170,000 of bonds for the construction of the Dayton View bridge. F. J. Cellarius is City Engr.

WASHINGTON C. H., OHIO.—Bids are asked by the Board of Commissioners of Fayette County until 2 p. m., May 8, for constructing the substructure and superstructure of two bridges. H. D. Chaffin is County Audr.

GENEVA, OHIO.—Bids are asked by P. C. Remick, County Audr., Ashtabula County, Jefferson, Ohio, until 1 p. m., May 4, for the construction of a reinforced-concrete culvert on Liberty St.

ALLIANCE, OHIO.—THE VAN DORN IRON WORKS, East 79th St., Cleveland, Ohio, has been awarded the contract for the erection of a steel viaduct, 400 ft. long, here to span the tracks of the Pennsylvania R. R. from Ash St. to Patterson St., at $100,000.

SPRINGFIELD, OHIO.—Bids are asked until April 27 by the Board of Public Service for bridge work on the Burt St. bridge, steel work on the Wittenberg Ave. bridge, and cement work on the Limestone St. bridge. M. J. Bahin is City Engr.

CANAL DOVER, OHIO.—E. D. MAXWELL of Canal Dover was the lowest bidder for the work of repairing the Wooster Ave. bridge, and was awarded the contract by the County Commissioners on April 13 at $3,650.

COVINGTON, IND.—See Miscellaneous—Retaining Walls.

PITTSBURG, IND.—Bids are asked until May 15 by the Commissioners of Carroll County, Delphi, Ind., for construction of several bridges over the Wabash River here.

DETROIT, MICH.—Robert H. McCormick, City Engr., has completed plans for the construction of the Belle Isle bridge. The structure as planned will be of reinforced concrete, 2,700 ft. long, 80 ft. wide. Estimated cost, $1,500,000.

CHICAGO, ILL.—The following are the lowest bids received on April 15 by Paul Redieske, Deputy Comr. Pub. Wks., for (a) superstructure of Polk St. bridge, (b) substructure of same bridge: (a) John J. Gallery, at $93,229; Standard Construction Co., (b) $72,453. The Scherzer Bridge Co. bid $95,000 for the superstructure and $140,000 for their own style of bridge complete. The bid was rejected because it was based on a bridge of the rolling lift variety.

CHIPPEWA FALLS, WIS.—The citizens voted on April 7 to issue $35,000 of bonds for the construction of a bridge across the Chippewa River.

OMAHA, NEB.—Bids were opened on April 6 by the Park Board for the concrete bridge on 19th St., at Deer Park: Western Bridge Construction Co., $8,875; Katz-Craig Construction Co., $10,300.

LEAGUE CITY, TEX.—Bids are asked until noon, April 27, by John M. Murch, County Audr., Galveston, Tex., for the construction of a pile driven wooden bridge over Cowards Creek between League City and Friendswood.

SILT, COLO.—C. G. SHEELY, Denver, Colo., has been awarded the contract by T. W. Jaycox, State Engr., Denver, for the construction of a steel bridge over the Grande River here at $10,186 for the superstructure and $2,789 for the substructure. Bids were opened on April 3.

DENVER, COLO.—Plans for the construction of the 20th St. viaduct have been completed by Herbert S. Crocker, Bridge Engr. Colorado & Southern Ry. Co. The viaduct will be 4,000 ft. long and 46 ft. wide, divided into a roadway 24 ft. wide, and two sidewalks, each 6 ft. in width. The roadway will be paved with creosote blocks and the sidewalks will have a concrete surface, the body of the viaduct to be constructed of steel on the simple trestle order, supported by steel pillars. John B. Hunter is City Engr.

LEADVILLE, COLO.—The County Commissioners on April 6 awarded the contract to PUEBLO BRIDGE CO. for the construction of the cement and steel bridge across the Arkansas River on the road between here and Twin Lakes at $4,000.

DAYTON, WASH.—Bids are asked until 10 a. m., April 25, by Walter A. Frary, County Audr., for the construction of three bridges across the Touchet River.

MILTON, WASH.—A. E. EBERHART has been awarded the contract by Umatilla County for the construction of the bridge across the Walla Walla River at Milton at $3,150.

VALE, ORE.—Bids were asked until 1 p. m., May 9, by the County Commissioners for the construction of an 80-ft. span of wood, steel, or stone arch across Bully Creek on the county road near here. B. W. Mulkey is Clk. Comrs.

MIRAMAR, CAL.—Bids are asked by the Board of Supervisors until 10 a. m., May 4, for the construction of a bridge across Montecito Creek, near Miramar. C. A. Hint is County Clk.

SAN BERNARDINO, CAL.—Bids are asked until 11 a. m., May 5, by the Board of Supervisors for the construction of a bridge across Santa Ana River at Mt. Vernon Ave. Charles Post is County Clk.

LOS ANGELES, CAL.—Bids are asked until 2 p. m., May 4, by the Supervisors of Los Angeles County for the construction of a 100-ft. pile trestle bridge. C. G. Keyes is County Clk.

SACRAMENTO, CAL.—The Southern Pacific Ry. Co. may construct a bridge across the Sacramento River here. G. B. Herington, Sacramento, is Resident Engr.

SAN DIEGO, CAL.—Max Winter was low bidder on April 1 for constructing the concrete abutments for the 30th St. bridge at $3,625.

TUCSON, ARIZ.—Twelve firms submitted bids on April 11 to the Board of Supervisors for the construction of the steel bridge across the Rilliton River, north of this city on the Mammoth-Oracle road. For the entire structure: Charles G. Sheely, Denver, Colo., $6,272; Missouri Valley Bridge & Iron Co., Kansas City, Mo., $7,477; Gardiner, Worthen & Goss Co., Tucson, $9,289; El Paso Bridge & Iron Co., El Paso, Tex., $7,995; Union Iron Works Co., Los Angeles, Cal., $8,418; Vincennes Bridge Co., Vincennes, Ind., $8,950; Atlantic, Gulf & Pacific Co., Los Angeles, Cal., $7,872; Burrell Bridge & Construction Co., Oakland, Cal., $9,440. For substructure alone: V. S. Griffith, $6,000; Cement Stone Supply Co., $4,374. For superstructure alone: Wichita Construction Co., Wichita, Kan., $5,362; Minneapolis Steel & Machine Co., Minneapolis, Minn., $3,060. Frank S. Treat is City Clk.

MONTREAL, QUE.—The Montreal Southern Counties Ry. Co. have awarded the contract for the steel work on Black's bridge to the DOMINION BRIDGE CO., Ltd., of Hamilton, Ont.

ST. THOMAS, ONT.—Bids are asked until April 24 for a concrete arch bridge over Kettle River, a concrete arch bridge over Catfish River and a concrete beam span over Catfish River. James A. Bell is City and County Engr.

HAMILTON, ONT.—E. S. Barrow, City Engr., has estimated the cost of constructing a wooden bridge over the railroad tracks at Garth St. at $6,000, and a steel bridge at $11,000.

REGINA, SASK.—THE PARSONS CONSTRUCTION & ENGINEERING CO. of Regina, have been awarded the contract for the construction of the Albert St. bridge and dam at $43,900.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

MERIDEN, CONN.—Bids are asked by the Adjutant-General, State Capitol, Hartford, Conn., until noon, May 7, for erecting a state armory at Meriden. Charles S. Palmer, 4 West Main St., Meriden, is Arch. Gov. Rollin S. Woodruff is Pres. State Armory and Arsenal Comn.

NEW YORK, N. Y.—We are officially advised that the Master Builder Realty & Construction Co. will take estimates on a mercantile building it will erect at 8 East Twelfth St. The structure will be 25 x 93.3 ft., will have 12 stories and will cost $100,000. Samuel Sass, 23 Park Row is Arch.

Plans have been filed for remodelling the south wall of the St. James Building. Tiers of windows are to be installed at the second, third, fourth and fifth stories after the 5-story loft building at 1129 Broadway has been razed to the level of the first story. The loft building will be made into a store. The Pittsburg Life & Trust Co. are the owners of both structures. W. H. MacCollin is the architect.

Bids are asked until 2.30 p. m., April 29, by Robert W. Hebberd, Comr. of Dept. of Public Charities, for general repairs to the New York City Training School for Nurses, Blackwell's Island, the City of New York.

Bids are asked until 11 a. m., April 29, by Bird S. Coler, Pres. Boro. of Brooklyn, for repairs and alterations to the Seventh District Municipal Court, Boro. of Brooklyn.

NEW YORK, N. Y.—Schwartz & Gross, Archs., 347 Fifth Ave., advise us that they are taking estimates for a 6-story apartment building, 80 x 100 ft., at 69th St. and Amsterdam Ave., for the Silverman-Jones Construction Co., 17 West 17th St. The building will be constructed of terra cotta, brick and stone, architectural and structural iron and steel, with galvanized iron skylight, interior marble and tile, patent plaster, electric fixtures, water closets, lavatories and bath tubs. Cost, $125,000.

William L. Rouse, Arch., 11 East 43d St., advises us that the Central Building, Improvement & Investing Co., 149 Church St., will erect three apartment buildings, each to measure about 130 x 86.11 ft., to have six stories, with elevator. Estimated cost, $175,000. They will be built on 130th St., west of St. Nicholas Terrace.

NEW YORK, N. Y.—Bids are asked until 11 a. m., May 4, by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, for alterations, repairs, etc., to Public Schools Nos. 7, 34, 42, 62, 71, 75, 92, 103, 110, 120, 141, 177 and 188, Boro. of Manhattan; also for installing additions and alterations to the heating and ventilating apparatus in Public School No. 35, Decatur St. and Lewis Ave., and Public School No. 54, Walworth St. near Myrtle Ave., Boro. of Brooklyn.

NEW YORK, N. Y.—Bids were received as follows by C. B. J. Snyder, Supt. School Bldgs., on April 20, for installing heating and ventilating apparatus in (a) Public School No. 3, Boro. of The Bronx, (b) Public School No. 155, Boro. of Brooklyn: Raisler Heating Co., 1966 Broadway, (a) $37,417; Frank Dobson Co. (Inc.), 319 East 53d St., (a) $37,156, (b) $42,932; E. Rutzler & Co., 127 White St., (a) $38,178, (b) $44,800; Daniel J. Rice, 5 East 42nd St., (a) $43,214; James Curran Mfg. Co., 512 West 36th St., (a) $37,289, (b) $42,000; John Hankin & Bro., 550 West 25th St., (a) $36,950; Gillis & Geoghegan, 537 West Broadway, (a) $39,465, (b) $42,900; Blake & Williams, 211 West 20th St., (b) $48,320.

NEW YORK, N. Y.—Bids are asked until noon, May 7, by Allen N. Spooner, Comr. of Docks, for preparing for and building a new ferry house at the Manhattan terminal of the Staten Island ferry at the foot of Whitehall St., East River.

YONKERS, N. Y.—We are officially advised that W. A. L'HOMMEDIEU & CO., 1 Madison Ave., New York, have been awarded contract for a residence to be built in Park Hill, Yonkers, N. Y., for William E. Jackson, 149 Broadway, New York. Warren H. Conover, 232 West 40th St., New York, is Arch.

CATSKILL, N. Y.—The M. L. RYDER BUILDING CO., of Broadway and State St., Albany, N. Y., has been awarded the contract for the construction of the proposed bank building for the Catskill Savings Bank at Catskill, N. Y. The building is to be erected this summer.

BUFFALO, N. Y.—Plans are being prepared by Lansing & Beieri, Archs., 371 Pearl St., for a 3-story and basement parochial school building for the Church of Our Lady of Perpetual Help. Cost, $65,000.

Estimates are being received by Esenwein & Johnson, Archs., Ellicott Square Bldg., for two 3-story and basement 6-family apartment buildings, 80 x 80 ft., at Linwood Ave. and Barker St., for Charles Mosier, 1266 Seneca St. Estimated cost, $75,000.

The Building Committee of the Homeopathic Hospital Association, Wm. H. Crosby, Chn., will receive competitive plans for a hospital building to cost $250,000.

GENEVA, N. Y.—Plans have been completed by Arthur E. Nash, Arch., Geneva, for a city hall to cost about $100,000.

ITHACA, N. Y.—Bids were received as follows April 15, at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for construction of a post-office building at Ithaca, N. Y.: A. E. Badgeley, Binghamton, N. Y., $95,335; R. Richards & Son, 42 Elizabeth St., Utica, N. Y., $90,581; M. J. Ford, Binghamton, N. Y., $92,397; Aug. 1, 1909; Cecil L. Saunders, Cleveland, Ohio, $80,000; Driscoll Bros. & Co., 134 South Aurora St., Ithaca, N. Y., $101,227; 18 months; W. H. Fissell & Co., New York, $89,300; Henry Shenk, Erie, Pa., $92,482; F. W. Carlin Construction Co., Brooklyn, N. Y., $99,390; Ambrose B. Stannard, St. James Bldg., New York, $88,406; George Sykes, 1123 Broadway, New York, $94,000; F. T. Nesbit & Co., 116 Nassau St., New York, $86,000; 170 days; William R. Compton Realty & Building Co., Elmira, N. Y., $104,215; 300 days. Time to complete, Dec. 31, 1909, unless otherwise stated.

CORNING, N. Y.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded to the FRUECHTEL-SCHEURMAN CO., LTD., Saginaw, Mich., at $48,948, contract for the construction of a post-office building at Corning, N. Y. Time, July 31, 1909. Noted on April 9.

ROCHESTER, N. Y.—Bids were received on April 15 by the Board of Education for erecting School No. 26, on Clifford St. Probable cost, $75,000. J. Foster Warner is Arch., 1036 Granite Bldg.; J. S. Mullin is Secy. Bd. Following are the contracts let: Masonry, to the GENESEE CONSTRUCTION CO.; carpenter work, to A. W. HOPEMAN & SONS, 569 Lyell Ave.

ALBION, N. Y.—Bids are asked until 1 p. m., April 27, by Mrs. James L. Armstrong, Pres. Bd. Mgrs. Western House of Refuge for Women, Albion, for construction, complete, including heating, plumbing and electric work, of cottage for inmates.

*ALBANY, N. Y.—Bids are asked until 3 p. m., May 14, by E. E. McGarr, Secy. State Commission in Lunacy, the Capitol, Albany, for the following work: Nurses' home, Middletown State Hospital, construction complete, including heating, plumbing and electric work; nurses' home, Binghamton State Hospital, construction complete, including heating, plumbing and electric work; reconstruction of power-house, Binghamton State Hospital, construction complete, including plumbing; boilers and steamfitting in power-house, Binghamton State Hospital.

*ALBANY, N. Y.—Bids are asked by the Trustees of Public Buildings, Capitol, until noon, June 2, for constructing the N. Y. State Education Building on Washington St. Robert H. Fuller, Secy. Palmer & Hornbostel, Archs., 63 William St., New York City.

EAST ORANGE, N. J.—E. V. Warren, Arch., 22 Clinton St., Newark, is preparing plans for a 5-story hotel for Frank Leslie, East Orange. Bids will be received about June 1. Cost, $125,000.

PITTSBURG, PA.—We are officially advised that plans will be ready for estimates about May 15, by Thomas Hannah, Arch., Diamond Bank Bldg., Pittsburg, for a 5-story and basement Y. M. C. A. building, 80 × 130 ft., to cost $300,000.

Palmer & Hornbostle, 63 William St., New York, N. Y., advise us that they have won the competition for designing certain buildings for the Western University of Pennsylvania, Pittsburg. The architects will proceed with drawings for the first, the Mines and Engineering Building, which will cost about $175,000. The committee which decided upon the award was composed of George H. Clapp, Pres. of the Bd. of Trustees; Dr. John A. Brashear, Benjamin Thaw, W. L. Scaife, T. H. McKnight, J. B. Eisaman, A. J. Kelly, Jr., S. A. Taylor, C. F. Scott and Chancellor S. B. McCormick.

PHILADELPHIA, PA.—Bids are asked at the Academy of Natural Sciences, 19th and Race Sts., Philadelphia, until 3 p. m., April 24, for alterations and additions to the buildings of the academy. Wilson, Harris & Richards, Drexel Bldg., are Archs. Cost, $200,000.

Contract has been awarded to ALEXANDER CHAMBLEY, 243 South Tenth St., for erecting a 5-story hospital building, 60 × 135 ft., on the south side of Lombard St., west of 16th St., for the Frederick Douglass Memorial Hospital. The contract price is $75,000. E. F. Bertolette is Arch., 32 South Broad St.

PHILADELPHIA, PA.—Permits have been granted by the Bureau of Building Inspection to P. J. and J. T. Whelan, Odd Fellows Temple. In all 118 houses and six stores will be built, at a total cost of $199,000. All of the houses will be built in the northeastern section of the city. The houses, and all except one of the stores, will be two stories in height, the one exception being three stories. Work will be started at once and rushed to completion by fall. The proposed houses will be built at the following locations: On the south side of Ontario St., north side of Westmoreland St. and on both sides of Argyle and Malta Sts., between the two.

Contracts to erect new police and fire stations were awarded on April 11 by Henry Clay, Dir. of the Dept. of Public Safety, as follows: Fire station at the corner of Erie Ave. and Marshall St., to HENRY E. BATON, 1221 Arch St., $20,378; police and patrol station, at 3965 Germantown Ave., to JOHN R. WIGGINS & CO., Heed Bldg., $54,070; addition to the Sixth District police station, to HENRY E. BATON, $3,670; fire station and storage building, at 3420 and 3422 Haverford Ave., to JOHN R. WIGGINS & CO., $26,200.

WASHINGTON, D. C.—Bids were received as follows April 16, at the office of Bernard R. Green, Supt. of Construction of the National Museum Building, Washington, D. C., for furnishing and installing (a) four electric passenger elevators, (1) tandem gear drum type, (2) single gear drum, (3) traction type, (b) two freight elevators, (c) one "house" elevator: Brodesser Elevator Mfg. Co., Milwaukee, Wis., (a1) $21,760, (a2) $20,960, (b) $10,500, (c) $3,470; Thomas Power Electric Elevator Co., Washington, (a2) $19,620, (c) $2,960; Otis Elevator Co., 17 Battery Pl., New York, (a1) $18,645, (a2) $16,855, (a3) $21,440, (b) $10,855, (c) $2,994; Kaestner & Co., 241 South Jefferson St., Chicago, (a1) $16,220, (a2) $15,000, (a3) $16,220, (b) $6,425, (c) $2,300; Marine Engine & Machine Co., New York, (a1) $20,178, (a2) $19,850, (a3) $22,500, (b) $10,812, (c) $2,881; National Elevator & Machine Co., Honesdale, Pa., (a1) $18,125, (a2) $16,425, (b) $8,125, (c) $2,600; A. B. See Electric Elevator Co., 220 Broadway, New York, on single worm gear elevators: (a2) $20,525, (a3) $21,725, (b) $10,100, (c) $3,000.

WASHINGTON, D. C.—Bids are asked until noon, May 9, by Elliott Woods, Supt. U. S. Capitol Building and Grounds, Washington, for interior wood trim and finish; interior plain and ornamental plastering; interior marblework; plate glass; mail chutes and gravity conveyors; hardware; electric lighting fixtures; incandescent lamps; elevator enclosures; fans and motors; registers and valves; mantelpieces.

*FORT CASWELL, Southport post-office), N. C.—Bids are asked until 1.30 p. m., May 14, by Capt. Louis F. Garrard, Jr., Q. M., U. S. A., Fort Morgan, Mobile, Ala., for constructing, plumbing, wiring, etc., one barrack and kitchen. Bids are asked at same time for same work at Fort Morgan, Ala.

DURHAM, N. C.—George W. Watts has awarded contract to JOHN T. WILSON, 908 Mutual Bldg., Richmond, Va., for erection of hospital to consist of one 3-story and one 1-story building, boiler house and service building. It may be equipped with laundry machinery. Cost, about $200,000. Kendall, Taylor & Co., 93 Federal St., Boston, Mass., are Archs.

GREENVILLE, S. C.—Hook & Rogers, Archs., Charlotte, S. C., advise us that bids will be asked in about three weeks for four buildings for the East Carolina Teachers' Training School. The buildings will be two and three stories high and will cost about $100,000. They will contain boiler, refrigerating and laundry plants. H. B. Simpson, Newbern, N. C., is Associate Arch.

ATLANTA, GA.—T. D. Meador, Vice-Pres. of Lowry Bank, is having plans prepared for a bachelor apartment house, eight stories high, 60x250 ft., fireproof. The apartments are to be divided into suites of from one to three rooms, with baths between. Cost, about $75,000.

*FORT MORGAN (Mobile post-office), ALA.—Bids are asked until 1.30 p. m., May 14, by Capt. Louis F. Garrard, Jr., Q. M., U. S. A., for constructing, plumbing, wiring, etc., one barrack, one lavatory and one mess kitchen; also for same work at Fort Caswell, N. C.

*FORT MORGAN (Mobile post-office), ALA.—Bids are asked until 1.30 p. m., May 18, by Capt. Louis F. Garrard, Jr., Ft. Morgan, for construction, plumbing, heating and lighting of building for gymnasium at Fort Morgan, Ala.

FLORENCE, ALA.—Bids are asked until 3 p. m., May 26, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, of the U. S. Post-office at Florence.

AGRICULTURAL COLLEGE, MISS.—Competitive plans will be received by the Board of Trustees of the Agricultural and Mechanical College until May 31 for chapel and academic building, complete, including heating, plumbing, wiring and furnishings. Total cost not to exceed $100,000. A. J. Moore is Secy. Noted fully on April 16.

LOUISVILLE, KY.—McDonald & Dodd, Archs., Equitable Bldg., Louisville, advise us that the Second Presbyterian Church will be rebuilt, and that they will prepare the plans.

LOUISVILLE, KY.—Bids are asked by Kentucky State Fair Board, 320 Paul Jones Bldg., until April 30, for construction of reinforced concrete live stock pavilion. A. S. & O. G. Joseph are Archs. and Engrs., 1501 Lincoln Bldg.

BARDSTOWN, KY.—Bids are asked by the Trustees of Bardstown Graded Public School until May 2 for erection of school building. Brinton B. Davis, 609 Atherton Bldg., Louisville, Ky., is Arch.

CLEVELAND, OHIO.—A contract for the erection of the superstructure of the new West Side Market was approved by the Board of Public Service on April 10. The contract was let to the JOHN GRANT & SON CO., Schofield Bldg., some weeks ago. The contract calls for the expenditure of $188,900. This only includes the masonry. The building will be of pressed brick and polished granite construction. Terra cotta will be used in place of granite in the upper part of the building. Noted on March 19.

CINCINNATI, OHIO.—S. S. Godley, Arch., Neave Bldg., is preparing plans and will receive bids for a 3-story brick apartment building, 100x147 ft., to be built on Burnet Ave., for Robert Doepke, Canal and Main Sts. Cost, $100,000.

MUNCIE, IND.—A committee has been appointed by the Council to select and approve plans for the construction of a city hall. Estimated cost, $100,000. The Board of Public Works will ask for bids as soon as plans are approved.

FRENCH LICK, IND.—Thomas Taggart has approved plans for construction of a hotel in this town. Estimated cost, $375,000. Bids will be advertised for about May 5. W. J. Floyd, Terre Haute, is Arch.

INDIANAPOLIS, IND.—Foltz & Parker, Archs., Knights of Pythias Bldg., Indianapolis, advise us that ground is being cleared and bids will be asked for soon for the proposed Y. M. C. A. building to be erected here. Estimated cost, $250,000.

CHICAGO, ILL.—A building is to be erected at the corner of Superior and Kingsbury Sts. The structure will be seven stories in height and will have a high basement. Paul Gerhardt, 109 Randolph St., is Arch. The material is to be reinforced concrete. The ground and building will represent an investment of $200,000, and in addition the equipment and machinery will cost $200,000 more. The ground is 110x130 ft. The building is to be put up by Joseph E. Tilt and will be occupied by the W. F. Hall Printing Co.

Bids are to be taken soon for the $150,000 warehouse to be built for Sprague, Warner & Co., on Roberts St., a short distance north of Erie St. The building will be seven stories high and will cover a lot 180x200 ft. The building will be of reinforced concrete construction. C. A. Eckstrom, 131 La Salle St., is Arch.

CHICAGO, ILL.—We are officially advised that C. A. Eckstrom, Arch., 131 La Salle St., has awarded mason work to LANQUIST & ILLSLEY, 393 North Clark St., for a warehouse to be built at 16th and State Sts., for Siegel, Cooper & Co., Henry Bach, Secy., State and Van Buren Sts. It will have seven stories, 120x160 ft. of brick and mill construction. Cost, $210,000.

The contract has been awarded to HANLEY-CASEY CO., 45 Ohio St., for a warehouse to be built for the Steele-Wedeles Co., 179 South Water St. Cost, $300,000. H. L. Ottenheimer, 134 Monroe St., is Arch.

Plans are being prepared by Marshall & Fox, Archs., 164 Dearborn St., for a 20-story brick and stone hotel, 80 × 172 ft., to be built at the corner of Michigan Boulevard and Hubbard Pl., for Tracy C. Drake, the Rookery. Estimated cost, $1,000,000.

William H. Pruyn, Jr., & Co., Archs., 4217 Berkeley Ave., have let the following contracts for a 3-story apartment building, 155 × 100 ft., of press brick, terra cotta and fireproof construction, to be built at the corner of 44th St. and Grand Boulevard, for William H. Pruyn, Sr., 4217 Berkeley Ave.: Masonry to ANDERSON & JOHNSON, 5759 Aberdeen St.; carpentry to OLAF OLSON, 37 Alexander Pl.; steam heating to IDEAL HEATING CO., 6312 Wentworth Ave., and plumbing to J. H. KALEHER & CO., 123 East 43d St. Cost, $100,000.

MADISON, WIS.—We are officially advised that bids were received by Lew F. Porter, Secy., Wisconsin Capitol Comn., on April 7, for the structural work, masonry, window frames, plumbing work and roofing, of the east wing of the Capitol now building. Contract was let to A. D. & J. V. FREDERICKSON, Madison, at $63,445.

GREEN BAY, WIS.—Bids were received as follows April 20, at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a heating plant at the post-office, Green Bay, Wis.: Martin & Wigman, Green Bay, Wis., $12,535, Nov. 1, 1909; W. S. Patterson & Co., Appleton, Wis., $10,997, Oct. 15, 1909; Fred Brewer, Richland Center, Wis., $10,582; Thomas & Smith, Chicago, $12,578; Lewis & Kitchen, Chicago, $9,000; Thomas E. Hoye Heating Co., Milwaukee, Wis., $10,300; Iowa Mfg. Co., Oskaloosa, Iowa, $11,868; Optenburg Iron Works Co., Sheboygan, Wis., $9,774; G. A. Kees Domestic Engineering Co., St. Paul, Minn., $10,776; B. B. Shine, Green Bay, Wis., $9,618. Time, March 5, 1909.

DULUTH, MINN.—Bids are asked until noon, May 11, by the St. Louis County Court House Commission and at the office of D. H. Burnham & Co., Archs., Railway Exchange Bldg., Chicago, for erecting a County Courthouse at the junction of Fifth Ave. West and Second St., Duluth.

ST. LOUIS, MO.—The committee appointed to decide on the material to be used in the Roman Catholic Cathedral has reported that granite has been selected. Because all bids of contractors were not based on the use of granite, the Rev. John Joseph Glennon, Archbishop of St. Louis, has announced that it is probable the subscribers will submit new bids.

ARGENTA, ARK.—Charles L. Thompson, Arkansas Bldg., Little Rock, Ark., has prepared plans for the Roman Catholic orphanage to be erected near Argenta at a cost of between $150,000 and $200,000.

LITTLE ROCK, ARK.—Bids are asked until noon, May 12, by S. W. Reyburn, Secy. Library Board, for a 2-story and basement library, 60x120 ft., which is to be built at the corner of Louisiana Ave. and 7th St. by the City of Little Rock. The building will be constructed of stone and terra cotta, fireproof, and will cost $86,000, including equipment. Edward L. Tilton, 32 Broadway, New York, N. Y., is Arch.; Charles L. Thompson, Arkansas Bldg., Little Rock, is Supt. Arch.

*HOUSTON, TEX.—Bids are asked until 3 p. m., May 28, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction, including plumbing, heating apparatus, electric conduits and wiring of the U. S. post-office and courthouse at Houston.

The Houston Belt & Terminal Co., W. E. Green, Fort Worth, Tex., Vice-Pres. and Gen. Mgr., has awarded contract to D. H. BARNES, Hennen Bldg., New Orleans, La., for erection of inbound and outbound freight stations. The former is to be 24x600 ft., one and two stories high; latter 46x400 ft., one story high. Both are to be of brick and wood, semi-fireproof, mill construction. Cost, about $200,000.

OKLAHOMA CITY, OKLA.—E. Coady & Co., 132½ West Main St., Oklahoma City, are preparing plans for two fireproof office buildings, seven stories, 75x140 ft., to cost $75,000; eight stories, 40x130 ft., to cost $60,000, respectively.

TACOMA, WASH.—Bids are asked by Everett G. Griggs, Secy, Tacoma Armory Comn., until noon, April 27, for construction of the proposed Armory Building on the east side of Yakima Ave., between South 10th and South 11th Sts., Tacoma. Gen. Ortis Hamilton is Chn. Armory Comn.; Russel & Babcock, Provident Bldg., Tacoma, are Archs.

ABERDEEN, WASH.—Plans for a block to be built here by H. H. Hines, of Seattle, and A. M. Crocker, Chamber of Commerce Bldg., Portland, have been prepared by Bebb & Mendel, Archs., Denny Bldg., Seattle. THE GENERAL ENGINEERING & CONSTRUCTION CO., Kennerley Bryan, Denny Bldg., Seattle, has the contract for building it on the cost plus a percentage. The piling is ready for the foundations.

SEATTLE, WASH.—Howard & Galloway, Archs., Administration Bldg., Alaska-Yukon-Pacific Exposition, advise us that the contract for the Mines and Fisheries Buildings has been let to THE BURRELL BRIDGE & CONSTRUCTION CO., 200 Globe Bldg., Seattle, Wash. At present there is no contract under way except for the power plant. These will be ready for bids in about two weeks.

LOS ANGELES, CAL.—In the place of the structure which was destroyed by fire on April 12, the Parmelee-Dohrmann Co., 436 South Broadway, Los Angeles, will begin to construct a warehouse at 2d St. and Santa Fe Ave. immediately.

HALIFAX, N. S.—The M. E. KEEFE CONSTRUCTION CO., of this city, has been awarded the contract for erection of the proposed technical school building, also for the alteration to Halifax post-office.

TORONTO, ONT.—Sproatt & Rolph, Archs., 90 Yonge St., have prepared plans for a library building for Victoria College which have now been accepted by the Trustees. The structure will be erected on North Drive and Czar St., will be 146 ft. by about 120 ft., of stone construction and will cost about $75,000.

TORONTO, ONT.—Bids are asked until noon, May 7, by A. J. McGee, Secy.-Treas., Toronto, for the following construction: Frame stations, Moose Lake and Dane; frame freight shed, Haileybury; waiting room, Thornloe; two water tanks; five section houses; brick office and stores, Englehart; painting stations, North Bay to New Liskeard; ice house, Englehart; one 40-ft. concrete arch, M. P. 184; two 10-ft. concrete culverts, M. P. 210-212; one 10-ft concrete culvert, M. P. 118; one 5-ft. concrete culvert, M. P. 64½; three abutments at Englehart and Krugerdorf. G. A. McCarthy, North Bay, Ont., is Ch. Engr.

WINNIPEG, MAN.—KELLY BROS. & MITCHELL, LTD., Monadnock Block, have been awarded a contract for the erection of a new building for the Bank of Nova Scotia. Price, $250,000. Darling & Pearson are Archs., Canada Life Bldg.

VANCOUVER, B. C.—Arrangements are being made for erection of a Methodist church in this city to cost $100,000. Rev. A. N. Sanford is interested.

It is reported that the Imperial Trust Co. will commence construction on a 12-story steel office building. Estimated cost, $400,000. J. W. Weart is Managing Dir.

Bids will be asked for soon for construction of a 13-story steel office building for the Imperial Trust Co. The finishing of the building will be of marble and terra cotta.

WATER SUPPLY—IRRIGATION.

(denotes that this work [illegible] advertised in Engineering N[illegible])*

PAWTUCKET, R. I.—The [illegible]ate Senate has passed a bill authorizing [illegible] city to issue $50,000 water bonds an[illegible] $80,000 sewer bonds.

NEW BRITAIN, CONN.—[illegible] Water Board has awarded the contract fo[illegible] water valves to the PRATT & CADY [illegible] of Hartford, Conn., at $5,000.

NEW YORK, N. Y.—The following bids were opened on April 15 by [illegible]n H. O'Brien, Comr. Water Supply, Gas a[illegible] Electricity, for furnishing, delivering and [illegible] erecting four water-tube boilers, with e[illegible]nomizer, steam and auxiliary piping, feed-[illegible] beaters and high-pressure drip return [illegible]em and all foundations, with their appu[illegible]ances, complete, in the boiler room [illegible] the pumping station at 179th St., Borough [illegible] Manhattan: McHarg Barton Co., $47,4[illegible] Babcock & Wilcox Co. (three bids), $42,[illegible] $45,200 and $47,000; William Horne Co., [illegible]00; Evans-Almirall Co. (three bids), $[illegible]04, $42,178 and $46,776; Heine Safety B[illegible] Co., $44,316.

*McGRAWVILLE, N. Y.—C. [illegible] LEWIS, of Ilion, N. Y., has been award[illegible] the contract for constructing water-work[illegible] the village furnishing the material, lay[illegible] 8-in. pipe, per ft., 20 cts.; 6-in., 17 cts.; [illegible] in., 15 cts.; 1½-in. wrought iron, 12 cts.; [illegible]ncrete rubble, per cu. yd., $4.50; conc[illegible] 1-2-5, per cu. yd., $6; rock excav., per [illegible] yd., $3; earth excav., per cu. yd., 25 cts. Bids for this work were opened on March 30. W. G. Stone, Mann Bldg., Utica, N. Y., is Engr.

*NEW YORK, N. Y.—Bids are asked until 11 a. m., May 12, by the Board of Water Supply, 299 Broadway, New York, for the construction of the Wallkill pressure tunnel, a tunnel in rock, 14½ ft. in diameter and 4.43 miles long, with six shafts from 350 to 480 ft. in depth, crossing under the valley of the Wallkill River, in the towns of New Paltz and Gardiner, Ulster County, New York. Some of the items in the Engineer's estimate are as follows: Construction shafts, 1,080 lin. ft.; permanent shaft excavation, 13,000 cu. yds.; tunnel excavation, 253,000 cu. yds.; furnishing and erecting structural steel, 1,220,000 lbs.; pumping from shafts and pressure tunnel, 500,000 million ft. gallons; forms for masonry lining, 25,050 lin. ft. of shafts and tunnel; concrete masonry in tunnel and shafts, 112,800 cu. yds.; hydrostatic tests of tunnel, two tests; earth and rock excavation in open-cut, 40,700 cu. yds.; concrete masonry in open-cut, 3,500 cu. yds.; steel for reinforcing concrete, 55,000 lbs.; Portland cement, 190,000 bbls. J. Waldo Smith is Ch. Engr.

NEW YORK, N. Y.—The following bids were opened on April 1, by John H. O'Brien, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and laying water mains in Eastern Boulevard and Pelham Bay Park and sub-aqueous water mains across Eastchester Creek, near Pelham Bridge: Hanover Contracting Co., 21 Park Row, $25,517; L. D. Gregory, 125th St. and First Ave., $23,660; H. E. Fox, 1987 Madison Ave., $22,939; John Cornwell, 69 East 127th St., $26,218; P. Goodman, 1334 St. and Lincoln Ave., $39,687; Willow Construction Co., 115 Elliott Ave., $30,476; Daly & McBean, $46,482.

*BLOOMFIELD, N. J.—Bids are asked by the Town Council until 8 p. m., May 5, for furnishing about 5,000 lin. ft. of 4-in., 6-in. and 8-in. B. & S. coated water pipe, the 4-in. pipe to weigh about 22 lbs. per ft.; the 6-in. pipe to weigh about 30 lbs. per ft.; the 8-in. pipe to weigh about 48 lbs. per ft.; quotations to be made F. O. B. cars, Bloomfield, N. J. Delivery in carload lots, as required.

LANCASTER, PA.—Bids are asked until April 23 by the Water Committee at the office of J. H. Rathfon, City Comptroller, for furnishing as many water pipes, fire hydrants, special castings, street stop valves, etc., as may be required to May 1, 1909.

CHESTERTOWN, MD.—The Council has accepted the plans prepared for constructing a water system.

ROME, GA.—THE NEW YORK CONTINENTAL JEWELL FILTRATION CO., 15 Broad St., New York, N. Y., has been awarded the contract for a gravity filter, with a capacity of 500,000 gallons per 24 hours, to be delivered at Rome at $3,500. M. L. Worrell is Supt. Pub. Wks.

MERIDIAN, MISS.—The Water Commission has awarded the following contracts: To the DIMMICK PIPE CO., Birmingham, Ala., for 992 tons of pipe and 3,000 lbs. of lead, at $21,338; to FAIRBANKS & CO., New Orleans, La., for furnishing valves and hydrants, at $2,702.

*NEW ORLEANS, LA.—Bids are asked until 3 p. m., June 30, by the Sewerage and Water Board for furnishing and erecting the following machinery: Two 100-KW., 250-volt, direct-current generators; two 75-HP., 250-volt motors; one 2,500,000-gallon turbine pump, to work against a 125-ft. head, directly connected to an electric motor; one 1,000,000-gallon triplex pump, to work against a 125-ft. head, geared to an electric motor; one 2,000,000-gallon centrifugal pump unit, to work against a 20-ft. head; two 4,000,000-gallon centrifugal pump units, to work against a 20-ft. head; two 5-HP., 250-volt motors; one surface condenser capable of condensing 6,500 lbs. of steam per hr., together with air pump; also all exhaust and water piping, valves, wiring, switchboard, lights, and other appurtenances, completely erected. George G. Earl is Gen. Supt.

MONTPELIER, OHIO.—Bids are asked until noon, April 28, by C. D. Hall, Clk. Bd. Pub. Affairs, for the improvement of the municipal water and light station. George Champ is Engr., The Nasby, Toledo, Ohio.

CINCINNATI, OHIO.—The following bids were opened by the Board of Public Service on April 2 for 2,250 tons of pipe and castings, to be used in the water-works: The Dimmick Pipe Co., Birmingham, Ala.,

$21.70 per ton for pipe and $50 per ton for one kind of special casting and $65 for the other; the U. S. Cast Iron Pipe & Foundry Co., 71 Broadway, New York, $23.90 for pipe and $75 for special castings.

BARBERTON, OHIO.—The sum of $22,715 will be expended for improving the water system in West Barberton. H. W. Alcorn, of Barberton, is Engr.

YOUNGSTOWN, OHIO.—The contract for furnishing 500 tons of c. i. water pipe and 15 tons specials, bids opened April 6, has been awarded to the MASSILLON IRON & STEEL CO., of Massillon, Ohio, at $21.60 per net ton.

CARTHAGE, OHIO.—Bids are asked until noon, May 1, by the Trustees of Public Affairs, for the construction of an addition to the pump house. John Kuderer is Secy. Bd.

JEFFERSON, OHIO.—Bids are asked by the Board of Trustees of Public Affairs until noon, April 30, for the construction of a water-works plant.

HAMILTON, OHIO.—Bids are asked by the Board of Public Service until noon, April 25, for furnishing pipe and fittings for enlargement, improvement of and repairs to the municipal water-works. John W. Hill, First National Bank Bldg., is Engr.

*MILAN, MICH.—Specifications are on file at the office of Engineering News, New York, for the construction of a water system. Bids are asked until May 4.

PONTIAC, MICH.—The Department of Water-Works contemplates the erection of a cement reservoir. Wm. J. Fisher is City Engr.

WEST BRANCH, MICH.—The contract for constructing water-works has been awarded to T. C. BROOKS' SONS, of Jackson, Mich. P. D. Sabin is City Clk.

*SAGINAW, MICH.—Bids are asked until 7.30 p. m., May 1, by the Board of Water Commissioners for furnishing the material and performing the necessary labor to lay water mains in the city, as follows: 6,500 lin. ft. of 24-in., 2,500 lin. ft. of 16-in. and 200 lin. ft. of 8-in. pipe, together with the necessary valves, hydrants, special castings, service connections and all accessories. David C. Bell is Clk. Bd.

JOLIET, ILL.—The Board of Local Improvements has awarded to MONAHAN BROS. the contract for the improvement of Illinois St. by the construction of a water main at the following prices: 370 ft. 6-in. water main calked and finished complete, 73 cts.; 565 lin. ft excavation and backfilling trenches over water main, hydrant and service connections, 25 cts.; six lead service connections, 28 ft. long, with corporations and stop cocks connected to main complete, $11.81 each; four lead service connections, 8 ft. long, with corporations and stopcocks connected to main, complete, $6.61 each; two 6-in. valves, each in place, complete, $15; one hydrant, in place complete, $42.51; ten Buffalo service boxes in place, complete, $1 each; two valve manholes, in place, complete, $25 each; two 6-in. T"s, $4.20 each; two 6-in. plugs, 80 cts. each. Hubert A. Stevens is City Engr.

INDEPENDENCE, IOWA.—Bids are asked by Rufus Brewer, City Clk., until April 27, for 2,256 ft. 6-in. and 1,500 ft. 4-in. c. i. water main, seven double-nozzle Ludlow fire hydrants, five 4-in. and two 6-in. Ludlow gate valves, etc.

AMES, IOWA.—The following bids were opened on April 2 by the Board of Trustees of Iowa College for the construction of a reinforced-concrete surface reservoir of 140,000 gallons capacity: Des Moines Bridge & Iron Co., Des Moines, Iowa, $3,400; COOK CONSTRUCTION CO., Des Moines, $3,077 (awarded contract); Bartlett & Cling, Cedar Rapids, Iowa, $4,408; Turner Roland Co., Des Moines, $4,000. A. Marston is College Engr., Ames.

PRIMGHAR, IOWA.—Bids are asked by W. H. Dowling, City Clk., until 8 p. m., May 6, for the construction of a system of water-works.

COTTONWOOD FALLS, KAN.—Plans and specifications are being prepared by Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., for water-works at Cottonwood Falls, to cost approximately $25,000.

HILDRETH, NEB.—Bids are asked until May 15 by the city for the construction of water-works. Estimated cost, about $10,000. M. A. Earl & Co., of Muskogee, Okla., are Engrs.-in-Charge.

BELLE FOURCHE, S. DAK.—Ormon & Crook's Bond Co., the National Security Co., 115 Broadway, New York, has awarded the Ormon & Crook contract on the Belle Fourche irrigation project to HAYES BROS. & CO., of Janesville, Wis. Five contracting companies were bidding for the work, but this company submitted the best bid.

GLENDIVE, MONT.—The contract has been awarded to JAMES BURTON, of Delhi, Iowa, for the construction of the sluiceway and flume in connection with the Lower Yellowstone irrigation project, at $11,059. The work involves about 660 cu. yds. of excavation, 665 cu. yds. of concrete, 800 cu. yds. of rip rap, and the placing of 52,000 lbs. of square steel bars.

ST. LOUIS, MO.—Bids are asked by the Board of Public Improvements until noon, May 1, for furnishing water pipes, special castings, stop valves, fire plugs, and for laying water pipes. W. B. Dryden is Secy. Bd.

FAIRVIEW, OKLA.—Bids are asked by the city until April 28 for the construction of a water-works plant, estimated to cost about $50,000. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are Engrs.-in-Charge.

OKEENE, OKLA.—Plans and specifications are being prepared by Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., for a water-works plant here. Estimated cost, $25,000.

DENVER, COLO.—We are officially advised that the Antero & Lost Park Reservoir Co., Denver, Colo., awarded the contract on April 14 for the construction of the Antero reservoir (capacity 50,000 acre-ft.) and dam in South Park to D. A. CAMFIELD, of Greeley, Colo., and S. H. SHIELDS, of Fort Morgan, Colo., at about $125,000. George A. Starbird, Denver, is Engr.

TIMPAS, COLO.—The directors of the Timpas Creek Reservoir, Ditch and Land Co. have awarded to EGGLESTON & MATTHEW, the contract for the construction of the entire system of irrigation. The system will irrigate some 10,000 acres of land near Timpas station on the Atchison, Topeka & Santa Fe R. R.'s main line, and consists of a chain of canals and two reservoirs.

ODESSA, WASH.—Bids are asked until April 25 by the town for laying iron pipe for the improvement of the water-works system. W. M. Nevins is Town Clk.

SEATTLE, WASH.—We are officially advised that the Board of Public Works has awarded the following contracts: Fifteenth Ave., N. W., water mains, SANFIELD & GIFFORD, $4,283; Sixth Ave., N. E., and other streets, water mains and sewers, SMITH & HALL, $12,947. R. H. Thomson is City Engr.

KLAMATH FALLS, ORE.—The contract has been awarded by the Reclamation Service to CAMPBELL & HUFFMANN, of Klamath Falls, Ore., for the construction of a wooden flume in connection with the South Branch canal, Klamath irrigation project, Oregon-California. This flume will be about 4,300 ft. long, and the contract amounts to $20,731.

The contract has been awarded to MANEY BROS., of Winnemucca, Nev., for the construction of the South Branch canal, Klamath irrigation project, Oregon-California. The work involves the excavation of about 300,000 cu. yds. of material. The contract amounts to $78,997.

*OAKLAND, CAL.—THE DOAK GAS ENGINE CO. Oakland, was awarded the contract on April 7 by the Board of Public Works for furnishing and installing the pumping machinery for the auxiliary salt water plant to be located at Lake Merritt, at about $25,000. F. C. Turner is City Engr.

ELSINORE, UTAH.—The contract for 20,000 ft. iron water pipe and other supplies, bids opened April 1, has been awarded to the W. A. WILLIAMS PLUMBING CO., of Provo, Utah.

PRINCE ALBERT, SASK.—Bids are asked by R. S. Cook, Mayor, until 8 p. m., April 30, for laying 11,420 lin. ft. of water pipe and connections; laying 17,350 lin. ft. of sewers with brick manholes, catch basins, etc.

SEWERAGE.

(denotes that this work is advertised in Engineering News.)*

SHELTON, CONN.—Bids are asked until April 27 by the Board of Wardens and Burgesses for constructing sewers and appurtenances in portions of various streets. D. E. Brinsmade is Boro. Engr.

DANBURY, CONN.—Bids are asked by Charles O. Brown, City Engr., until April 27, for constructing sewers in various streets to consist of about 29,525 lin. ft. of 6, 8, 10, 12, 20 and 24-in. vitrified sewer pipe, 130 lin. ft. 24, 20 and 10-in. c.-i. pipe, and 90 brick manholes. John R. Hill is Chn. Com. on Pub. Wks.

HARTFORD, CONN.—Bids are asked by the Board of Contract and Supply until 11 a. m., April 27, for the construction of about 1,200 lin. ft. of tile sewer in Edgewood St., between Albany Ave. and Greenfield St. James P. Berry is Secy. Bd.

HARTFORD, CONN.—The contract for 100,000 brick for sewer purposes has been awarded as follows: 50,000 each to MICHAEL KANE and E. D. MILLS, of Hartford at $8.50 per M.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., April 29, for furnishing all the labor and material required for constructing a temporary screen chamber at the outlet of Kings County sewer; also for the completion of silt and trap basin at Paerdegat Basin and Flatlands Ave.

*MT. KISCO, N. Y.—Bids are asked until 8 p. m., May 11, by the Board of Trustees for the construction of approximately 13 miles of sewers. Fred. J. Carpenter is Clk. Bd.

PERTH AMBOY, N. J.—S. J. Mason, City Engr., is preparing plans for the construction of a pipe sewer (about 8,000 ft. 18-in. pipe) on Sheridan St. Estimated cost about $15,000.

PORT READING, N. J.—F. L. Smith, C. E., 102 Smith St., Perth Amboy, N. J., is preparing plans for the construction of a pipe sewer at Port Reading, for the township of Woodbridge, N. J. Edward Harned, Clk.

DOVER, N. J.—We are officially advised that the contract for the construction of a storm water sewer in Morris St. has been awarded by the city to FRITZ & PARTRIDGE, of Dover, at $4,100, subject to the approval of the Delaware, Lackawanna & Western R. R. Co., which pays 75% of the cost. F. W. Winderman is Town Clk.

GALLITZIN, PA.—Bids are asked until noon, April 27, by Harry F. Conrad, Secy. City Council, for the construction of a vitrified clay pipe sewer in Church St. Henry & Dillman are Engrs., Altoona Trust Bldg., Altoona, Pa.

GREENSBURG, PA.—Bids are asked until 8 p. m., May 4, by the Borough for the construction of a sewer.

*BEAVER, PA.—Bids are asked until 8 p. m., May 5, by the Town Council for constructing about ten miles of 6 to 15-in. sewer; also 75 manholes and 25 flushers. J. P. Leaf is Boro. Engr.; H. J. Boyd is Clerk.

WASHINGTON, D. C.—Bids were received as follows on April 21, at the office of the District Commissioners, Washington, D. C., for the construction of a sewer in the District: (a) E. G. Gummel, 300 Rhode Island Ave., N. W., Washington; (b) Warren F. Brenizer Co., Second and O Sts., S. E., Washington. Ordinary excavation, 2,150 cu. yds., (a) $1, (b) $1.35; red brick masonry, 23 cu. yds., (a) $13, (b) $13.50; 24-in. pipe, 690 ft., (a) $1.08, (b) $1.20; 18-in. pipe, 265 ft., (a) 89 cts., (b) 98 cts.; 15-in. pipe, 470 ft., (a) 73 cts., (b) 90 cts.; totals, (a) $3,773, (b) $4,724.

MOUNDSVILLE, W. VA.—Charles P. Collins, Consulting Engr., Philadelphia, Pa., has been selected to make surveys and prepare plans and estimates for a sewer system to be built this summer.

COLUMBIA, S. C.—GEORGE W. WARING of Columbia has been awarded the contract for constructing about one mile of 12-in. pipe sewers and for furnishing sewer pipe at $4,395. A. W. Edens is Engr.-in-Charge.

MOULTRIE, GA.—H. S. Jaudon, C. E., Savannah, Ga., has prepared plans for the construction of a complete sewerage system for Moultrie. W. D. Scott is Mayor.

The city has voted to issue $45,000 of bonds, a portion of which will be used for extending the sewer system.

GRIFFIN, GA.—E. H. Davis, of Griffin, has been ordered to prepare plans for the construction of a sewer and water system estimated to cost $10,000.

CANTON, MISS.—SULLIVAN & LONG, Bessemer, Ala., have been awarded the contract at $30,498.50 for constructing about seven miles of sewers. W. J. Kirkpatrick, Jackson, Miss., is Engr.-in-Charge.

*GULFPORT, MISS.—Bids are asked by the Mayor and Board of Aldermen until 8 p. m., May 26, for furnishing all labor, tools, materials and equipment necessary, and constructing complete, in accordance with the plans and specifications on file in the office of the City Engineer, the following storm sewers and appurtenances within the proposed paving district: 23 manholes, 36 catch basins, 10 gutter basins, 2,900 lin. ft. 24-in., 340 lin. ft. of 20-in., 950 lin. ft. of 18-in., 1,200 lin. ft. of 15-in., 2,500 lin. ft. of 12-in., 3,700 lin. ft. 10-in., 2,100 lin. ft. of 8-in., 1,500 lin. ft. of 6-in. vitrified pipe sewers and two concrete bulkheads for outfall into Mississippi Sound. M. F. Sullivan is City Engr.

LOUISVILLE, KY.—THE AMERICAN ENGINEERING & CONSTRUCTION CO., Chicago, Ill., was awarded contract on April 11 by the Commissioners of Sewerage for the construction of Section C of the southern outfall sewer at $215,913. J. B. F. Breed is Ch. Engr. Comrs. List of bidders noted on April 9.

CORLETT (Cleveland post-office), OHIO.—PROSSER & WONN of Youngstown, Ohio, have been awarded the contract for the construction of five miles of sewer here. The drain runs from 12 to 30 ins. in diameter.

CANTON, OHIO.—Bids are asked by the Board of Public Service until noon, May 1, for the construction of sanitary sewers in various streets. C. A. Zellers is Clk. Bd.

BRAZIL, IND.—The City Council has ordered plans and specifications for the construction of the Pogues Run storm and sanitary sewer. Estimated cost, $33,500. Bids will be asked soon.

INDIANAPOLIS, IND.—The Board of Public Works has approved plans and specifications for the Morris St. sewer. Estimated cost, $120,000. Bids are asked until May 15.

AURORA, IND.—Bids are asked until 7 p. m., April 27, by the Common Council for the construction of district sewer in sewer district No. 1. Estimated cost, $12,500. Frank D. Johnston is City Clk.

*GRAND RAPIDS, MICH.—We are officially advised that the following bids were received on April 9 by the city for the construction of the South Front St. sewer: CHARLES J. CARPENTER, Grand Rapids, $92,386 (awarded contract); Albert Prange, Grand Rapids, $117,144; Appleyard-Johnson Co., Grand Rapids, $112,005. L. W. Anderson is City Engr.

HOOPESTOWN, ILL.—Charles Cottingham of Danville, Ill., is preparing plans for the construction of sanitary sewers. Joseph H. Decker is City Clerk.

VILLISCA, IOWA.—SMITH & SON, Indianola, Iowa, have been awarded the contract for the construction of a sewer at Villisca, consisting of 2,610 ft. of 10-in. and 1,120 ft. of 8-in. pipe.

GRINNELL, IOWA.—Bids are asked by the city until 7.30 p. m., April 25, for the construction of a sanitary sewer. A. C. Harriman is City Clk.

CLINTON, IOWA.—Bids are asked by William E. Hayes, City Clk., until 8 p. m., April 28, for the construction of sewers in Sec. E of Dist. No. 4 (about two miles of pipe).

ST. PAUL, MINN.—Bids are asked until 7.30 p. m., May 1, by the Board of Public Works for the construction of a concrete sewer. C. H. Meyer is City Clk.

*CAPE GIRARDEAU, MO.—Bids are asked until 7.30 p. m., May 18, by the City Council for the construction of a complete system of sewerage in sewerage district No. 1. C. C. Hawley is City Engr.

WEBB CITY, MO.—Bids are asked until 5 p. m., May 4, by W. E. Smith, City Engr., for constructing 1.62 mile of public sewers, and 2.55 miles of laterals. Estimated cost, $31,698.

CHICKASHA, OKLA.—The city has voted $25,000 of bonds to construct storm sewers.

*FORT MORGAN, COLO.—We are officially advised that the following bids were received on March 31 by C. C. Rickel, City Clk., for the construction of 56,000 ft. of 8-in. sewer, 3,100 ft. of 10-in. sewer, 6,300 ft. of 12-in. sewer, 2,400 ft. of 15-in. sewer, 48 ft. of 16-in. cast-iron outlet, 125 manholes, 27 flush tanks and 4,000 ft. of ½-in. water service pipe: Davis & Heuser, $69,845; Connaly & McGovern, $56,739; Katz-Craig Construction Co., $58,169; J. R. Gordon, $71,595; Doyle & Schwartz, $60,156; J. J. Dunnigan, $61,805; Serrie Bros., $61,686; W. W. COOK & SON, Junction City, Kan., $56,645 (awarded contract); M. Ford, $64,169.

SAN FRANCISCO, CAL.—The sum of $200,000 has been taken from the Geary St. fund and given to the Board of Public Works for sewer and street work. Maraden Manson is City Engr.

OAKLAND, CAL.—The Board of Public Works on April 8 awarded the CONTRA COSTA CONSTRUCTION CO. the contract for the construction of the Grove, Jones and 26th St. sewers at $16,429. F. C. Turner is City Engr.

SALT LAKE CITY, UTAH.—The CAMPBELL BUILDING CO., 225 Dooly Block, Salt Lake City, has been awarded the contract by the Board of Public Works for the construction of intercepting and gravity sewers with a wood stave pipe 4,800 ft. long, at $16,000. Louis C. Kelsey is City Engr.

SALT LAKE CITY, UTAH.—Bids are asked until 8 p. m., May 1, by the Board of Public Works for constructing pipe sewers in sewer extension No. 185. Louis C. Kelsey is City Engr.

NOTRE DAME DE GRACE, QUE.—The Council has awarded the contract for the construction of two sections of the sewerage system to HENAULT & HEFFERMAN, at $70,000.

PRINCE ALBERT, SASK.—See under Water Supply—Irrigation.

GARBAGE DISPOSAL.

(denotes that this work is advertised in Engineering News.)*

WESTFIELD, MASS.—The contract for street sprinkling was awarded on April 15 by the Selectmen to REUBEN W. HUMPHREY, at $2,100.

TARENTUM, PA.—All bids for a garbage furnace were rejected on April 13 by the Council.

SCRANTON, PA.—The sum of $20,000 has been appropriated by the city for the construction of a garbage plant.

McKEESPORT, PA.—W. K. HERBERT, of McKeesport, was awarded the contract on April 13 by the Board of Health to remodel and repair the old garbage furnace at Thirteenth Ave., at $2,900.

INDIANAPOLIS, IND.—The Board of Public Works has awarded the contract for the collection and disposal of ashes and sweepings to GEMMER & HENRY at $32,800.

MOLINE, ILL.—J. S. FARGO was awarded the contract on April 6 by the Garbage Commission for the disposal of the city garbage for one year at $125 per month.

STREETS AND ROADS.

(denotes that this work is advertised in Engineering News.)*

HARTFORD, CONN.—Bids are asked for until 3 p. m., April 27, by the State Highway Commissioner for the construction of 4,057 lin. ft. of macadam road.

LISBON (Versailles post-office), CONN.—Bids are asked by M. J. Connell, First Selectman, until 2 p. m., April 24, for the construction of 4,000 ft. of gravel road.

HARTFORD, CONN.—Bids are asked by the Board of Contract & Supply for the resetting of curb stones on Asylum St. until 11 a. m., April 27.

MADISON BARRACKS (Sackett's Harbor post-office), N. Y.—Bids are asked by Lieut. C. J. Nelson, Constructing Q. M., U. S. A., until 2 p. m., May 11, for constructing approximately 86,000 ft. of macadam road; resurfacing 14,500 ft. of road; and constructing 32,500 ft. of concrete walks.

FORT SLOCUM (New Rochelle post-office), N. Y.—Bids are asked in triplicate by the Constructing Quartermaster, until 11 a. m., June 1, for the construction of roads, sidewalks, gutters, drains, etc.

*DUNKIRK, N. Y.—Bids are asked until May 12 by the Common Council for street paving. L. N. Murray is City Clk.

PORT CHESTER, N. Y.—We are officially advised that the following bids were received on April 20 by the city for paving (A) South Main St., (B) Highland, Willett and Locust Aves.: Warren Bros. Co., (A) $41,666 with bitulithic, $44,886 with concrete; (B) $39,147; Standard Bitulithic Co., (A) $44,334; (B) $41,405.

The J. O. MERRITT CONTRACTING CO. was awarded the contract on April 20 for paving Horton Ave. at $8,120. Frank E. Murray bid $8,247.

JERSEY CITY, N. J.—Bids are asked until April 28 by the Board of Hospital Trustees (H. H. Brinkerhoff, Pres.), for improving the Jersey City Hospital grounds, requiring about 3,400 sq. yds. macadam pavement, 3,400 lin. ft. cement curb and gutter, 25,000 sq. ft. cement walks, 12,000 cu. yds. earth excavation, 650 lin. ft. of 8-in. and 500 lin. ft. of 18-in. vitrified pipe sewer, 400 lin. ft. of concrete tunnel, etc.

*SALEM, N. J.—Bids are asked until 2.30 p. m., May 9, by the Board of Chosen Freeholders for the construction of the Penn's Grove and Dancers Mill Road, 3.2 miles. J. F. Ayres is Dir. Bd.

PHILLIPSBURG, N. J.—The contract for constructing the Lopatcong stone road, about 13,688 ft. in length, has been awarded by the Board of Chosen Freeholders to the MILAN TIGHE CONSTRUCTION CO., of Easton, Pa. Bids for this work were opened on April 11. Joseph R. Thatcher is Dir. Bd.

*PASSAIC, N. J.—Bids are asked until 10 a. m., May 6, by the Road Committee of the Board of Chosen Freeholders of Passaic County, Court-House, Paterson, N. J., for repairing, macadamizing, etc., various roads. Winfield S. Cox is Chn. Com.

GLEN ROCK (Ridgewood post-office), N. J.—Bids are asked until 8 p. m., April 28, by J. B. Christopher, Borough Clk., for grading and macadam.

LONG BRANCH, N. J.—The contract was awarded on April 13 by the Board of Freeholders to WILLIAM MEARS, of the Borough of Rumson, for the construction of a macadam road from the Sea Bright drawbridge through the Borough of Rumson, a distance of about one mile, at $8,613.

PHILLIPSBURG, PA.—KING & PHILLIPS, Clearfield, Pa., have been awarded the contract to construct a new State road from Cold Stream bridge, on the borders of Phillipsburg, Centre County, to One Mile run, a distance of 5,470 feet, at $12,000.

PUNXSUTAWNEY, PA.—W. C. BENNETT has been awarded the contract for constructing the road beginning near the extension of 12th St., and extended past Oakland Cemetery, the County Home and on to the cross roads at Johnston's, over a mile in length.

HARRISBURG, PA.—Bids are asked until April 30 by the State Highway Department for the reconstruction of roads in various townships. Joseph W. Hunter is State Highway Comr.

*WILKES-BARRE, PA.—Bids are asked until 2 p. m., May 1, by James M. Norris, County Controller, for furnishing one portable stone crusher.

BALTIMORE, MD.—Bids are asked by W. W. Crosby, Ch. Engr. Maryland Geological Survey, until May 1, for improving State Road No. 1, including grading and macadamizing about 6½ miles of road in three sections, Nos. 8b, 9 and 12b.

*WASHINGTON, D. C.—Bids are asked by the Commissioners of the District of Columbia, until noon, May 2, for paving First St. N. E., between H St. and New York Ave., with granite block.

PETERSBURG, VA.—The city has awarded the contract to PERKINSON & FINN, of Petersburg, for constructing from 4,000 to 6,000 sq. yds. of vitrified block pavement on Washington St. at $2.73 per yd. R. D. Budd is City Engr.

RICHMOND, VA.—Bids are asked until noon, April 27, by W. C. Saunders, Clk. Bd. of Supervisors, Henrico County, for the construction of about two miles of gravel road. P. St. J. Wilson is State Highway Comr.

HINTON, W. VA.—A. M. VALZ, of Staunton, W. Va., has been awarded the contract by the city for paving the streets, at $75,000.

DURHAM, N. C.—RIGSBEE & DICKSON, of Durham, have been awarded the contract by the city for grading various streets at about $6,000.

*GULFPORT, MISS.—Bids are asked until 8 p. m., May 26, by the Mayor and Board of the City for constructing complete approximately 40,000 sq. yds. of street pavements; 15,000 lin. ft. of concrete curb and gutter; 15,000 lin. ft. of granite curbing. M. F. Sullivan is City Engr.

LOUISVILLE, KY.—Bids are asked by the Board of Public Works until May 1 for grading, curbing and paving six blocks of streets with granite block pavement, about 10,000 sq. yds. Estimated cost, $26,000. J. P. Claybrook is Ch. Engr. Dept. Pub. Wks.

CINCINNATI, OHIO.—Bids are asked until noon, May 8, by the County Commissioners for the improvement of Spring Grove Ave., from Cincinnati Corporation Line to Carthage pike.

ZANESVILLE, OHIO.—The contract for paving Ninth St. was let on April 10 to W. S. GREGG by the Board of Public Service at $8,365.75.

DANVILLE, IND.—The contract for constructing the Ewing Road in Clay Township, bids opened April 6, has been awarded to W. H. ELRAD, of Greencastle, Ind., at $4,985. William H. Nichols is County Audr.

LAWRENCEBURG, IND.—The contract for paving 12,084 ft. of road in Lawrenceburg Township, bids opened April 6, has been awarded to F. J. NOWLIN & SONS, of Guilford Ind., at $9,462. William S. Fagaly is County Audr.

JEFFERSONVILLE, IND.—G. W. PALMER & CO., of Logansport, Ind., has been awarded the contract for paving East Seventh St. with vitrified brick, about 2,800 lin. ft., at $24,552. Victor W. Lyon is City Engr.

VERNON, IND.—Bids are asked by the Commissioners of Jennings County until May 4 for the construction of 13,737 ft. of gravel roads in Spencer, Geneva and Center Townships, and of 2½ miles in Sandcreek Township. F. L. Thomas is County Audr.

WINCHESTER, IND.—Bids are asked by the Commissioners of Randolph County until 1 p. m., May 5, for the construction of 1,250 ft. of gravel road in Monroe Township, and 3,675 ft. in Wayne Township. Mack Pogue is County Audr.

MARTINSVILLE, IND.—Bids are asked by the Commissioners of Morgan County until 2 p. m., May 5, for the construction of gravel roads as follows: 2,998 ft. in Jackson Township and 2,137 ft. in the southern part of Jackson Township. B. E. Thornburg is County Audr.

INDIANAPOLIS, IND.—Bids are asked until 10 a. m., May 16, by the Boards of Commissioners of the Counties of Clinton and Boone for the construction of the William D. Spray joint free gravel road. Charles F. Cromwell is County Audr., Clinton County.

KOKOMO, IND.—The following are the lowest bids submitted on April 9 to the County Commissioners for roads in various townships: Taylor Township: Shenk road, Mahoney & Miller, $6,136; Fawcett road, same, $5,100; Stevens road, Arbuckle & Craussore, $5,370; Van Aiken road, Mahoney & Miller, $2,200; Meranda road, Romack & Harlan, $5,487; Jessup road, Mahoney & Miller, $2,225; Ellenberger road, Greeson & Morrow, $6,633; Duke road, Romack & Harlan, $8,942; Gallion road, Greeson & Morrow, $2,000; Remaker road, same, $8,477. Union Township: Miller road, Romack & Harlan, $7,857; Murray road, same, $3,094; Ball road, Romack & Harlan, $2,838; Lord road, George W. Black, $7,507; Covalt road, same, $6,970. Harrison Township: Lett road, Greeson & Morrow, $6,115; Greeson road, same, $3,841.

DETROIT, MICH.—Bids are asked until noon, May 5, by the Board of County Road Commissioners for the construction of several macadam roads. Edward N. Hines is Chn. Bd.

MOLINE, ILL.—The Board of Local Improvements awarded the following contracts on April 14 for street paving. To the McCARTHY IMPROVEMENT CO. for the paving of Eighteenth Ave. from Seventh to Tenth Sts. and Tenth St. from Sixteenth to Eighteenth Aves., at $15,461; to the TRI-CITY CONSTRUCTION CO., for paving Third St., from Third to Twelfth Aves., at $15,850.

MT. CARMEL, ILL.—SAMUEL MONROE & SON, of Portsmouth, Ohio, has been awarded the contract for paving at the following bid: 980 cu. yds. macadam and earth excavation, 38 cts.; 1,731 lin. ft. limestone curb, 60 cts.; 870 lin. ft. limestone curb reset, 20 cts.; 8,747 sq. yds. vitrified brick pavement on 2-in. sand cushion, 90 cts.; 8,747 sq. yds. cement fill, 12 cts.; 756 cu. yds. crushed stone, $1.50, and 8,747 sq. yds. resurface and roll foundation, 21 cts. Total, $13,478.

HARVEY, ILL.—Bids were opened on April 3 by the Board of Local Improvements for paving Turlington and Lexington Aves., with brick, in all about 21,906 sq. yds. The contract was awarded to SMITH & BROWN, of Chicago, Ill., at about $37,000. A. W. Kinnely is City Engr.

MARION, ILL.—In the issue of April 2 it was noted that the Board of Local Improvements will soon ask for bids for about 176,000 sq. yds. of brick pavement, and 7,250 lin. ft. combined curb and gutter. This should have read 17,600 sq. yds. of pavement. Hoffman & Townsend, Marion, are Engrs.-in-Charge. F. G. Hoffman is City Engr.

*FOND DU LAC, WIS.—Bids are asked by the Board of Public Works until 3 p. m., May 7, for 11,000 sq. yds. of cement paving. L. H. Pettibull is Pres. Bd.

TOPEKA, KAN.—The contract for paving streets has been awarded to HASKINS & RAMSEY, of Topeka, Kan., at about $75,000. C. B. Burges is City Clk.

ST. LOUIS, MO.—Bids are asked until noon, May 5, by the Board of Public Improvements for improving various streets. W. B. Dryden is Secy. Bd.

PINE BLUFF, ARK.—The contract for paving Martin Ave. has been let to W. R. PETTY CO., of Little Rock, Ark., at about $10,000. The avenue is to be paved from State to Olive Sts. (five blocks), brick paving blocks to be used with asphaltum filler.

SPOKANE, WASH.—HENRY L. LILIENTHAL has been awarded the contract for paving Spragur Ave. from a point 10 ft. west of the west line of Ivory St. to the west line of Napa St., at $32,365 and $3,236 for maintenance.

SEATTLE, WASH.—The Board of Public Works has awarded the following contracts: 20th Ave. North and other streets, by grading and constructing concrete sidewalks, JOHN KALBERG, at $8,044; Bagley Ave. and other streets, grading, ANDREW PETERSON & CO., at $2,6509; Fourth Ave. South and other streets, filling, C. J. ERICKSON, at $64,000.

SAN FRANCISCO, CAL.—The contract to repave Sutter St., from Sansome St. to Van Ness Ave., was awarded on April 10 by the Board of Public Works to the BARBER ASPHALT CO., Seventh and Hooper Sts., San Francisco at $60,241.

OAKLAND, CAL.—The contract for macadamizing McKinley Ave., from Spruce St. 44 ft. west, has been awarded to the RANSOME CONSTRUCTION CO. F. C. Turner is City Engr.

SALT LAKE CITY, UTAH.—Bids are asked until 8 p. m., May 1, for grading and paving F St., from South Temple St. to First Ave., grading 1,200 cu. yds., asphalt pavement 1,300 sq. yds., and for grading street and sidewalk on Third South St. from Eleventh to Twelfth East Sts. Louis C. Kelsey is City Engr.

WINCHESTER, ONT.—Bids are asked until 8 p. m., May 1, by Thomas H. Dunn, Engr., Winchester, for the construction of 43,000 sq. ft. of concrete sidewalks.

EDMONTON, ALTA.—W. J. CARTER, of Edmonton, has been awarded the contract for street paving at $14,063.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

WORCESTER, MASS.—The Worcester Pressed Steel Co., North Ave., will build an addition to its plant this spring, to be 30 × 60 ft., one story high. It will be devoted to annealing and case hardening. The rolling mill equipment planned for last year, will be put in this season. The specifications call for a mill to roll steel up to 16 ins. wide, no thinner than .015, and up to quarter of an inch. Milton P. Higgins is Pres.

NEW YORK, N. Y.—We are officially advised that contract has been let to the SCHNEEMAN-CALLISTER CONSTRUCTION CO., 4521 Fifth Ave., Brooklyn, N. Y., to remodel a 3-story factory building for E. B. Jordan & Co., 129 Degraw St., Brooklyn.

John Mumford, Arch., 189 Montague St., Brooklyn, advises us that JOHN D. ANDERSON & SONS, 950A Green Ave., Brooklyn, have secured contract to rebuild the brick sulphur plant of the National Sulphur Co., 624 Kent Ave., Brooklyn.

DUNKIRK, N. Y.—The stockholders of the Canadaway Fertilizer Co. have decided to build a new plant to replace the one destroyed by fire recently. The plant is to be of brick and concrete and fireproof.

PHILADELPHIA, PA.—Plans have been prepared by Ballinger & Perrot, Archs., 1200 Chestnut St., for a 4-story factory to be built by the Locust Realty Co.

GREENSBURG, PA.—Bids are asked by the Board of Directors of the Westmoreland County Home until May 1 for erection and equipment, complete, of a boiler house. Daniel Bierer is Pres.; A. P. Darr, Supt.; W. G. Sloan, North Main St., Greensburg, Pa., is Arch.

DUBOIS, PA.—The Sulter Engine Co. has been organized at Dubois. It is planned to erect works to manufacture gas engines.

BEDFORD, CITY, VA.—The Bedford Cotton Mills, recently organized with James P. Gray, Pres., John D. Ballard, Vice-Pres., and J. J. Scott, Secy., will build a 5,000-spindle plant for manufacturing yarns. Capital stock, $100,000.

ELKIN, N. C.—The Elkin Shoe Co. will erect a building to cost $20,000, for manufacturing heavy shoes. Nason Lillard, of Elkin, is Arch.

HOPE MILLS, N. C.—West & Bullard, of Hope Mills, have decided to establish a knitting mill. They contemplate the installation of about twelve knitting machines to begin with.

JUNCTION CITY (Paschal post-office), GA.—It is stated that E. N. Clements, of Charlotte, N. C., is forming plans for a cotton factory to be built at Junction City. Work probably will begin in 60 days. Estimated cost, $200,000.

ATLANTA, GA.—The management of the Atlanta Hosiery Mills will rebuild its plant, which was destroyed by fire at a loss of about $25,000. This company probably will have an equipment of 100 knitting machines and accompanying sewing machines, etc., using both steam and electric power. S. A. Magill is Pres.

TOCCOA, GA.—E. W. Schaefer, Toccoa, is interested in proposition to manufacture rope from low-grade cotton and linters. Equipment has not been purchased.

ROCKMART, GA.—The Piedmont Cement Co. has closed its option on the land of J. S. Davitte at Davitte, Ga. It will begin, at once, the erection of a cement plant to cost about $600,000.

MOUND BAYOU, MISS.—The Mound Bayou Oil Mill & Mfg. Co., recently incorporated with $100,000 capital stock, contemplates erecting a building. A. A. Cosey is Secy.; John W. Francis, Treas.

NASHVILLE, TENN.—The Nashville Spring & Mattress Co. will rebuild its spring and mattress factory, burned at a loss of $35,000. The new building will be 40 × 112 ft., three stories high, with concrete foundation. T. J. Christman is Arch. and Contractor, of Nashville. The company is planning to erect another building, and it is estimated that the two structures, with machinery, will cost $15,000.

CUMBERLAND GAP, TENN.—The Union Portland Cement Co., J. C. Josse, Mgr., Rushylvania, Ohio, will build a plant at Cumberland Gap with a daily capacity of 3,500 bbls. of Portland cement. Limestone and shale will be conveyed to plant by gravity; machinery to be driven by electricity throughout. Mr. Josse will be in charge of construction.

HAMDEN JUNCTION, OHIO.—W. L. Holmes, Majestic Bldg., Detroit, Mich., is interested in constructing a cement plant here. A 50-ton furnace will be erected.

COLUMBUS, OHIO.—The Buckeye Steel Casting Co., South Parsons Ave., will erect a structural steel pattern shop. S. P. Bush is Pres.; Otto Eberlein is Secy.

NORWOOD (Cincinnati post-office), OHIO.—The Victor Safe & Lock Co., Eighth St. and Broadway, owner of a 15-acre lot in Norwood, has taken steps to improve its property. Preliminary plans are now being prepared, and figures will be taken on the work within a few weeks. The total improvement, including ground, will represent an investment of $500,000. A number of the buildings will be erected this summer if present plans are carried out, and others will be added to the plant gradually. W. C. Hattersley is Treas.

CLEVELAND, OHIO.—The Vorce Engineering Co., Perry Payne, Bldg., has prepared plans for a manufacturing building to be erected on Woodland Ave. east of East Ninth St., for the U. S. Candy Co. The general contract has been awarded to CROWELL & SHERMAN. The building will be four stories in height and about 60 × 150 ft.

LINTON, IND.—The Linton Foundry Co. is asking for bids for the erection of an addition to its plant.

INDIANAPOLIS, IND.—We are advised by the Clerk of the Board of Public Works, that contract for installing a refrigerating plant at the City Hospital has been let to the CASTLE ICE MACHINE CO., of Indianapolis.

DETROIT, MICH.—Van Leyen & Schilling, Archs., Peninsular Bank Bldg., are preparing plans for a 3-story factory building for the Michigan Optical Co., A. T. V. Comerford, Secy., 83 Beacon St.

PORT HURON, MICH.—Isaac Erb, Arch., White Bldg., Port Huron, has made plans for an addition and reinforcing of floors for a chicory factory building for E. B. Muller & Co. The addition will have one story, 60 × 60 ft., of brick and reinforced-concrete construction.

FLINT, MICH.—The Buick Motor Co., Flint, is planning to enlarge its plant by erecting an addition, 74 × 756 ft., three stories, to be completed in the fall. As soon as the new building is ready for occupancy the equipment located in the company's plant at Jackson, Mich., will be installed in it. No new machinery will be required.

JOLIET, ILL.—We are officially advised that the Fansill-Lafeon Paper Co. has decided to locate a mill at Joliet. Plans have not been completed. Noted on March 19.

MURPHYSBORO, ILL.—The Murphysboro Brick Co. has been incorporated and will erect a brick plant soon. Henry Jenkins, Murphysboro, and W. H. Hill, East St. Louis, Ill., are interested.

NEW LONDON, WIS.—The National Condensing Co., St. Charles, Ill., have plans completed, it is stated for a milk condensing plant, to be erected at New London, at a cost of about $100,000.

OSHKOSH, WIS.—Char[illegible] W. Gunz and Edward A. Durler are i[illegible]ested in constructing a candy factory [illegible] to cost about $40,000.

GREEN BAY, WIS.—A p[illegible] mill, to cost $100,000, is being planned [illegible] Green Bay Paper & Fiber Co.

FORT DODGE, IOWA.—[illegible] stated that the Western Stoneware Co. [illegible] erect a pottery plant, to replace the o[illegible]ently burned at a loss of $50,000.

R. F. D. NEW VIENNA, [illegible]A.—A brewery will be erected at New [illegible]a at a cost of $50,000 by a new corporat[illegible] to be known as the Standard Brewing [illegible]itting Co., with E. G. Pagenstecher, P[illegible] and E. De Long, Secy. and Treas.

SHERMAN, MO.—The M[illegible] Portland Cement & Material Co., N[illegible] Bank of Commerce Bldg., St. Louis, [illegible] awarded contract to C. L. GRAY C[illegible]TRUCTION CO., Victoria Bldg., St. Louis, for construction of proposed cement [illegible] and gravel plants to have a daily capacity [illegible] 2,500 bbls. The equipment includes five [illegible] 125 x 8 ft. O. H. Sawdy, Engr. and [illegible]upt. of the Meramec Co., is designing ce[illegible] plant. J. A. Daly, Nevada, Mo., is its P[illegible]

CAMERON, MO.—The Vic[illegible] Condensed Milk Co. contemplates erecting [illegible] refrigerating and ice-making plant, to c[illegible] $15,000.

LITTLE ROCK, ARK.—The [illegible]tal of the Thomas Forduce Mfg Co., J. [illegible] Forduce, Pres., has been increased to $3[illegible]0 to erect a double gallery shop, 100 × 2[illegible] ft., to manufacture cotton ginning machi[illegible]

AMARILLO, TEX.—A comp[illegible] has been organized at Amarillo with a capital of $150,000, by O. W. Butt, 311[illegible] Fifty Ave., Kansas City, Mo., and others, to erect a packing house for handling catt[illegible] and hogs. O. H. Nelson, of Amarillo is interested.

PORTLAND, ORE.—The mana[illegible]ement of the Portland Iron Works, Ea[illegible] Third and Burnside Sts., Portland, will erect an addition to its plant, 50 × 100 ft. Cost, $10,000.

SPIRIT LAKE, IDAHO.—The Idaho & Washington Northern R. R. Co. is contemplating plans for its proposed shops and roundhouses at Spirit Lake. H. F. Blackwell, Coeur D'Alene, Idaho, is Gen. Mgr.

TILLSONBURG, ONT.—THE SAND-LIME BRICK CO. has secured a contract for 500,000 brick from the Borden Condensed Milk Mfg. Co. This company has decided to build a factory at Tillsonburg.

TORONTO, ONT.—The Sunbeam Incandescent Lamp Co., of Canada, Ltd., Traders' Bank Bldg., contemplates purchasing 100 ft. of land on the east side of Dufferin St., for the purpose of erecting a factory thereon.

VICTORIA, B. C.—Cuthbertson & Joseph are planning to establish a large shingle mill this summer and it is reported that the site has been purchased. About $10,000 will be expended on building and machinery. The mill is to be large enough to provide for a capacity of 100,000 shingles per day. The frame of the mill will cover 100 x 34 ft. and will provide for four upright machines.

MISCELLANEOUS CONTRACTS.

(denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

CEMENT.—Brandon, Man.—Bids are asked by Harry Brown, City Clk., until April 30 for supply of 4,000 to 5,000 bbls. of Portland cement for use during the coming season.

CEMENT.—St Andrews, Man.—Bids are asked by Fred. Gelinas, Secy. Dept. Pub. Wks., Ottawa, Ont, until 4.30, April 28, for 30,000 bbls. cement at St. Andrews, Man.

PILES.—New York, N. Y.—Bids are asked by Allen N. Spooner, Comr. of Docks, until noon, May 1, for furnishing all the labor and materials required for furnishing and delivering piles.

*JETTY.—Key West, Fla.—Bids are asked by Lieut.-Col. Lansing H. Beach, Corps Engrs., U. S. A., until noon, May 23, for jetty work at the northwest entrance to Key West Harbor.

*SEA-WALL.—Montgomery, Ala.—Bids are asked until noon, May 20, by Capt. H. B. Ferguson, Corps. Engrs., U. S. A., Montgomery, for construction of a sea-wall at Fort Pickens.

PILES.—Washington, D. C.—Bids are asked by Maj. Spencer Crosby, Corps Engrs., U. S. A., until noon, April 24, for delivering piles at the inlet to the tidal reservoir, Washington, D. C., for driving piles.

LEVEE.—New Orleans, La.—Bids are asked until 11 a. m., May 8, by Maj. J. F. McIndoe, Corps. Engrs., U. S. A., for constructing about 200,000 cu. yds. of new levee at Hard Times, in the Lower Tensas Levee District.

SEA-WALL, EARTH FILLING, ETC.—New Rochelle, N. Y.—Bids are asked until 10 a. m., June 1, by the Constructing Quartermaster, Fort Slocum, N. Y., for constructing sea-wall and for earth filling behind seawall.

PIERS.—Rockville, Ind.—Bids are asked by the Commissioners of Parke County until noon, May 5, for two reinforced concrete piers to be constructed in the Wabash River. Estimated cost, $8,000. W. B. La Baw, Veedersburg, Ind., is Engr.

REMOVING WRECK.—Ottawa, Ont.—Bids are asked until April 24, by F. Gourdeau, Deputy Minister of Marine and Fisheries, for removing the wrecked schooner "George G. Houghton" now lying sunk near Bar Point lightship, at the mouth of the Detroit River.

DITCHES.—St. Paul, Minn.—Bids are asked by the State Drainage Board, S. G. Iverson, St. Paul, City Secy., until 2 p. m., May 1, for the construction of Rush River Ditch in Nicollet and Sibley Counties. Cost, $100,000. The State Drainage Board will open bids at the same time for constructing Judicial Ditch No. 1 in Steele and Waseca Counties, the approximate cost of which is $52,300.

*DREDGING.—Norfolk, Va.—Bids are asked until noon, May 15, by Maj. Joseph E. Kuhn, Corps Engrs., U. S. A., for dredging Appomattox River, Va.

DITCH.—New Castle, Ind.—Bids are asked by the County Drainage Commissioners until April 29 for constructing the Buck Creek Ditch. Estimated cost, $18,000.

HARBOR WORK.—Toronto, Ont.—ROBERT WEDDELL, of Trenton, Ont., has been awarded the contract for a new entrance to Toronto harbor, at $495,000.

CRUISER.—Victoria, B. C., Can.—Bids are asked by F. Gourdeau, Deputy Minister of Marine and Fisheries, Ottawa, until May 1 for the construction of a twin-screw cruiser for Fisheries Protection Service in British Columbia.

STAMP PAPER.—The Secretary of the Treasury, Washington, has awarded to CRANE & CO., Dalton, Mass., contract for furnishing distinctive paper for the next fiscal year at 43.6 cts. per lb., and for check paper at 30 cts. per lb.

DITCH.—Minneapolis, Minn.—The contract for a drainage ditch seven miles long and from 12 to 16 feet wide, to run through the townships of Independence, Orono, Medina and Minnetrista, has been let to I. M. BANTA, Wayzata, Minn., at $9,113.

CANAL LOCKS.—Nestor, La.—S. M. Fucich & Son, 532 Dumaine St., New Orleans, and Nestor, La., contemplate construction of self-raising locks in canal at Nestor to connect with Mississippi River. Correspondence with engineers and constructors is desired.

*PILE FOUNDATION, ETC.—Wilmington, Del.—Bids are asked by the Light-house Engineer, Wilmington, until 11 a. m., May 12, for constructing pile foundation and working platform and depositing riprap at the Mian Maul Shoal light-station, Delaware Bay, N. J.

DITCH.—Anoka, Minn.—Bids are asked until 1.30 p. m., April 28, by Arthur A. Caswell, Audr. Anoka County, for digging and constructing the main ditch and branches of that system of drainage ditches designated and known as County Ditch No. 44 of Anoka County.

MAILING PLATFORM.—Nashville, Tenn.—The Supervising Arch. of the Treasury, Washington, has awarded contract for furnishing and installing a mailing platform at the Nashville post-office at the EDGEFIELD & NASHVILLE MFG. CO., Nashville, Tenn., at $7,326.

RETAINING WALLS.—Covington, Ind.—Bids are asked by the Commissioners of Fountain County until 1 p. m., May 5, for two concrete retaining walls, estimated about 500 cu. yds. concrete, and one 110-ft. span steel bridge. W. B. La Baw, Veedersburg, Ind., is Engr.

REPAIRING FERRY BOATS.—New York, N. Y.—Bids are asked until noon, April 28, by Allen N. Spooner, Comr. of Docks, for repairing the municipal ferryboats or other floating ferry property of the Department, and furnishing and delivering miscellaneous supplies therefor.

*STONE CRUSHER.—Wilkes-Barre, Pa.—Bids are asked by James M. Norris, County Controller, Court-house, Wilkes-Barre, until 2 p. m., May 1, for furnishing one stone crusher, one revolving screen, one mounted bin, rubber belting, one locomotive, boiler and engine, mounted on wheels.

DREDGING.—San Rafael, Cal.—Bids were received as follows on March 31 by N. Ellery, State Engr., for dredging San Rafael Creek: Atlantic, Gulf & Pacific Co., 7.9 cts. per cu. yd.; Edward F. Hass, 7.45 cts. per cu. yd.; Bay & River Dredging Co., 8.4 cts. per cu. yd.; California Reclamation Co., 5.89 cts. per cu. yd.

DRAIN.—Cornwall, Ont.—Bids are asked until June 1 by H. E. Hodgins, Clerk Osnabruck Centre, Ont., for construction of the Grantley Creek drain in the northwest part of the Township of Osnabruck and northeast part of the Township of Williamsburg (about six miles from Chesterville, on C. P. R. R.). Engineer's estimate, $14,107.

MONO-RAIL COASTER.—New York, N. Y.—L. W. Horne & Co., 150 Nassau St., New York, Consult. Engrs. for the Boyes Mono-Rail System, announce that capital is being procured for construction of this type of mono-rail structure at Coney Island, and at 110th St. and Fifth Ave., New York City. L. W. Horne & Co. expect to be in position shortly to receive bids from manufacturers of steel castings and from structural steel firms.

REPAIRING BATHS, BUILDING PONTOONS.—New York, N. Y.—Bids are asked until 11 a. m. April 29, by Bird S. Coler, Pres. Boro. of Brooklyn, for repairing, altering and painting of the four free floating baths, Boro. of Brooklyn, the City of New York.

Bids are asked until 2 p. m., April 30, by John F. Ahearn, Pres. Boro. of Manhattan, for repairing baths and building pontoons for the free floating baths; repairing and painting the roofs and painting 14 free floating baths.

*BREAKWATER. — Boston, Mass. — Bids were received as follows April 17 by Lieut.-Col. Edw. Burr, Corps Engrs., U. S. A., for construction of superstructure of breakwater at Sandy Bay, Mass. Price per ton of 2,000 lbs.: (a) cap stones, (b) all other wall stones, (c) rubble stone interior above, (d) rubble stone in substructure below: John Cashman, Quincy, Mass., (a) $8.75, (b) $6.50, (c) 12 cts., (d) 12 cts.; Rockport Granite Co., Rockport, (c) $2.80, (d) $2.80; Pigeon Hill Granite Co., Rockport, Mass., (a) $7.43, (b) $5.88, (c) $1.98, (d) $1.98.

DRAIN.—Osnabruck Centre, Ont.—Bids are asked by H. E. Hodgins, Clk., until noon, June 1, for the construction of the Grantley Creek drain in the Township of Osnabruck and the Township of Williamsburg (about six miles from Chesterville, on C. P. R.) Engineer's estimate of total work, $14,107. Bidders will state whether dredge or team work is intended. Bids for culverts in the Township of Osnabruck will be accepted at the same time and subject to the same conditions, but need not necessarily accompany bid for excavation. Magwood & Walker, Engrs.-in-Charge, Cornwall, Ont. (The Township of Williamsburg build all culverts in their township by arrangement.)

*MACHINERY REPAIRS.—Tompkinsville, N. Y.—Bids were received at the office of the Light-House Engineer, Tompkinsville, N. Y., on April 7 for furnishing and setting a boiler and for repairs to machinery and hull of the United States light-house tender "Iris": W. & A. Fletcher Co., N. J., $16,700; Columbia Engineering Works, N. Y., $17,450; Griscom-Spencer Co., N. Y., $14,500; Theo. Smith & Sons Co., N. J., $13,490; Shooters Island Shipyard Co., N. Y., $17,773; Burlee Dry Dock Co., N. Y., $12,750; Newport News Shipbuilding Co., N. Y., $14,500; Jas. Shewan & Sons, N. Y., $16,970; F. A. Verdon Co., N. Y., $14,525; Pusey & Jones Co., Del., $17,000; Kensington Shipyard Co., Pa., $15,-900.

BARGE CANAL.—Albany, N. Y.—One bid was received on April 21 by F. C. Stevens, Supt. of Public Works, for Contract No. 45, Barge Canal, which is for the construction of a dam in the Oneida River at Caughdenoy and of Lock No. 24 and appertaining structures at Baldwinsville. It was submitted by Scott Bros., 122 Jones Ave., Atlanta, Ga., in amount, $467,513. Engineer's estimate, $425,-124. No bids were received for Barge Canal Contract No. 20, which is for dredging a channel in the Mohawk River between Rexford Flats and Mindenville, a distance of 53 miles. Engineer's estimate, $3,480,449. No bids were received for Contract No. 64, which is for the improvement of the Erie Canal from west end of Contract No. 9 to 100 feet east of the Gasport bridge, excepting the Oak Orchard Creek crossing, a distance of eleven miles; engineer's estimate, $1,306,080. The itemized prices of the bid received for Contract No. 45 will be given next week.

CONTRACT PRICES.

[Where * precedes items under Contract Prices the work was advertised in Engineering News.]

*SEWERAGE.—Fort Morgan, Colo.—Bids were received by C. C. Rickel, City Clk., on March 31, for the construction of sewerage and for manholes, flush tanks and water service pipe. Bidders and bids in detail were as follows: (A) Davis & Heuser; (B) Connoly & McGovern; (C) Katz-Craig Construction Co.; (D) J. R. Gordon; (E) Doyle & Schwartz; (F) J. J. Dunnigan; (G) Serrie Bros.; (H) W. W. COOK & SON, Junction City, Kan., (awarded contract); (I) M. Ford.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
56,000 ft. 8-in. Sewer	$.80	$.64	$.66	$.80	$.72	$.75	$.73	$.66	$.75
3,100 ft. 10-in. Sewer	1.00	.76	.87	.90	.77	.82	.81	.77	.86
6,300 ft. 12-in. Sewer	1.25	1.00	1.00	1.10	.89	.89	.95	.88	1.05
2,400 ft. 15-in. Sewer	1.40	1.20	1.50	1.50	1.12	1.10	1.22	1.20	1.63
10 ft. 8-in. Cast Iron Sewer	2.00	3.00	2.00	1.50	2.65	1.50	1.22	1.30	....
10 ft. 10-in. Cast Iron Sewer	3.00	3.25	2.50	1.75	3.75	2.10	1.60	1.65	....
10 ft. 12-in. Cast Iron Sewer	5.00	4.00	3.00	2.00	4.25	2.50	1.95	2.00	....
48 ft. Outlet—16-in. C. Iron Piling	500.00	791.00	450.00	575.00	459.00	350.00	335.00	500.00	530.00
125 Manholes, 1,200 Virt. F 6	5.75	4.50	4.75	8.00	4.65	5.00	4.50	4.50	4.50
27 Flush Tanks, 8 ft. deep	80.00	75.00	60.00	87.50	74.00	65.00	92.00	70.00	78.00
10-ft. Extra Virt. Ft. Flush Tanks	5.00	4.50	4.75	8.50	2.00	5.00	3.50	3.50	6.00
4,000 ft. ½-in. Galv. Pipe and Connections	.25	.25	.18	.20	.25	.20	.27	.25	.22
Total	$69,845	$56,739	$58,169	$71,595	$60,156	$61,805	$61,686	$56,645	

To be completed—(A) Dec. 31, 1908; (B) April 1, 1909; (C) Dec. 1, 1908; (D) Nov. 1, 1908; (E) Dec. 1, 1908; (F) Dec. 1, 1908; (G) Nov. 15, 1908; (H) Nov. 30, 1908.

INDUSTRIAL NOTES.

THE CROCKER-WHEELER CO., New York City, manufacturers and electrical engineers, announce the removal of its offices to the Hudson Terminal Building, 30 Church St.

PORTER BROS. & WELCH, Railroad Contractors, Vancouver, Washington, have placed an order for a number of 5,000-c. p. Milburn lights, manufactured by the Alexander Milburn Co., Baltimore, Md., for work on Northern & Pacific Railway.

WALTER H. JENKINS, formerly with the American Car & Foundry Co., has been appointed Western Representative of the Youngstown Car Manufacturing Co., of Youngstown, Ohio, builders of cars for industrial purposes, and will have his office in Chicago.

THE EXECUTIVE OFFICES of the Westinghouse Electric & Manufacturing Co., previously at 111 Broadway, New York, N. Y., and the New York Sales Offices and Export Offices of that company, previously at 11 Pine St., have been removed to the new City Investing Building, 165 Broadway, New York.

THE GENERAL PNEUMATIC TOOL CO., Montour Falls, N. Y., announces the removal of its New York City office to the Hudson Terminal Building, 50 Church St. The company also states that, owing to the fact that its business in electric cranes and hoists has grown so rapidly of late, the firm name will, on May 18, be changed to the Shepard Electric Crane & Hoist Co.

THE CANTON-HUGHES PUMP CO., of Canton, Ohio, recently shipped to Swift & Co., of South St. Joseph, Mo., two duplex low service pumps, making a full carload. These pumps are intended for their large packing plant at that point and have a capacity of three million gallons each in 24 hours. This company also secured a contract recently to furnish a 16 and 27 × 12 × 24 high duty, crank and fly wheel, cross compound pumping engine, with surface condenser, to the Frankfort Water-Works Co., Frankfort, Ind. Another recent contract was to supply the Ohio Salt Co., Rittman, Ohio, a 16 × 8 × 24 duplex outside center packed pump.

THE W. W. PATTERSON CO., Pittsburg, Pa., advises us that it has recently completed for the American Bridge Co. an order of eight 24-in. six-sheave wood blocks weighing 1,350 lbs. each. These were for 60 tons capacity and were the largest wood block ever made. They will be in use on the Havre de Grace Bridge for the B. & O. R. R. Co. At the present time the company is making for the Carnegie Steel Co. two eight-sheave steel blocks for ¾-in. cable. These blocks are for 100 tons and the makers state that as far as known are the largest blocks ever made. They will weigh 2,500 lbs. each.

THE SOUTHWESTERN MACHINERY & SUPPLY CO., of Los Angeles, Cal., recently organized for the purpose of representing manufacturers of machinery and supplies exclusively in the Southwest, is under the management of Chas. L. Michod, who has been in this same business at St. Louis and Havana, Cuba, for the past five years. The President of this company is J. Wallace of 42 Broadway, New York, and T. G. Finley of Los Angeles is Vice-Pres. and Treas. Considerable business with the Mexican trade is also anticipated, but Southern Nevada, Arizona and Southern California will be the principal territory covered.

TRADE PUBLICATIONS.

REINFORCED CONCRETE.—Tucker & Vinton, 41st St. and Park Ave., New York City. Paper; 8 × 5½ ins.; pp. 63; illustrated.

The pamphlet contains illustrations of some of the more prominent structures erected by Tucker & Vinton during the past ten years, during which time, according to the preface, they have devoted themselves exclusively to concrete construction of every type.

VAULT AND SIDEWALK LIGHTS.—The Berger Manufacturing Co., Canton, O. Paper; 6 × 9 ins.; pp. 48; illustrated.

The Berger Co. manufactures various kinds of metal and glass slabs to be used for lighting basements and vaults which are under sidewalks or other areas where loads are liable to come. This latest catalog describes these various devices together with weights, sizes and methods of erection.

EARTH AND STONE HANDLING MACHINERY.—Western Wheeled Scraper Co., Aurora, Ill. 9¾ × 6½ ins.; pp. 105; illustrated.

The catalog contains complete illustrated descriptions of all kinds of road and contractors' machinery, including wheeled scrapers, drag scapers, ditchers, wagon loaders, plows, rock and ore crushers, elevators, dump cars, ore cars, stone cars, dump wagons, street sweepers and garbage carts. Particular attention is paid to the air controlled dump cars, such as are used on the Panama Canal.

PATENT FLOORING.—J. G. Ellendt & Co., No. 1 Madison Ave., New York City. Paper; 3½ × 9 ins.; double folder; illustrated.

This company has on the market a sanitary flooring known as "Elasto," which is a cement composition adaptable for flooring "because of its silent, non-slippery, and agreeable nature under foot, its waterproof and sanitary nature, its extreme durability, its elegance and adaptability to pleasing design and its fireproof qualities."

ASBESTOS WOOD.—H. W. Johns-Manville Co., 100 William St., New York City. Catalog No. 107. Paper; 3½ × 6 ins.; pp. 20; illustrated.

Prof. Charles L. Norton has invented an asbestos wood that is mineral in character, being made principally from asbestos fiber, and is fireproof, but which can be sawed and cut and in fact has most of the properties of ordinary wood. It is made into various stock shapes by the Johns-Manville Co. for all uses to which wood is now applied.

HIGH-PRESSURE GATES.—New Jersey Foundry & Machine Co., New York. Stiff paper; 10½ × 14½ ins.; pp. 4; illustrated.

The article on the high-pressure gates for the Pathfinder and Shoshone dams, U. S. Reclamation Service, Wyoming, by Mr. F. W. Hanna, which appeared in Engineering News of Jan. 2, 1908, is here reprinted beneath a calendar for the year 1908. Some views in addition to those given in our article are included. The gates on the dam were built and erected by the company named above.

WELL PUMPS.—Keystone Driller Co., Beaver Falls, Pa. Paper; 8 × 11¼ ins.; pp. 60; illustrated.

The Dowie deep well pumps and various accessories, together with pump and well supplies, are here described and illustrated. Useful information is also given. The conical valves used in the Downie pump are illustrated in detail, and particular attention is given to electric motor pumps for use in place of the air lift. The title-page states that the company named has succeeded to all the property and rights of the Downie Pump Co., of Downieville, Pa.

ROCK DRILLS.—Wood Drill Works, Paterson, N. J. Four-page folder, 6 × 9 ins.; illustrated.

To bring their drills to the attention to possible users, the manufacturers have published this circular containing four half-tones and a very brief description of the Zuni Dam at Black Rock, N. Mex. Wood drills were used on the work. The description of the dam given in the circular was prepared by Mr. John B. Harper, M. Am. Soc. C. E., of Santa Fe, N. Mex., Superintendent of Irrigation of the U. S. Indian Service, Department of the Interior. The drills used on this work were operated by Navajo Indians. The dam was completed in January, 1908. It is a combination rock and earth-fill structure, 90 ft. high and 450 ft. long at the top.

REINFORCED CONCRETE. — Hennebique Construction Co., 1170 Broadway, New York City. Paper; 8 × 11 ins.; pp. 95; illustrated.

One of the oldest companies in the comparatively new business of designing and erecting reinforced concrete structures is the Hennebique Company, which started in Paris, working under the Hennebique patents, and has since spread all over the world. This latest catalog is a well illustrated list of some of the large and more recent work of the company.

For other Proposal Advertisements see pages 43, 44, 46, 47, 48, of Advertisements and Construction News page 142.

COUNTY BRIDGE.

Reading, Pa.

Sealed proposals will be received at this office up to 10 a. m., Friday, May 1, 1908. For a reinforced concrete four-75-foot arch bridge, with abutments and wing walls, over the Schuylkill River at Dauberville, Berks County, Pa. Plans and specifications can be secured at the County Commissioners' Office in this City. A deposit of five dollars will be required for the taking out of same. A certified check equal to ten per cent. of the aggregate amount of the bid will be required. The right is reserved to reject any or all bids.

A. L. RHOADS,
17-1t County Controller.

SEWERS.

Beaver, Pa.

Sealed proposals will be received by Beaver Town Council up to 8 p. m., May 5, for constructing about ten miles of sewer from six-inch to fifteen-inch, also seventy-five manholes and twenty-five flushers. Plans and specifications can be seen at office of Borough Engineer, J. P. Leaf, C. E., or Borough Clerk's office.

17-2t H. J. BOYD, Clerk.

NEW YORK STATE EDUCATION BUILDING.

Albany, N. Y.

Sealed proposals will be received by the Secretary of the Trustees of Public Buildings in the Executive Chamber, the Capitol, Albany, N. Y., up to 12 o'clock noon, June 2, 1908, for the entire work of constructing the New York State Education Building to be erected on the north side of Washington Avenue, extending from Hawk to Swan Street, in the City of Albany, N. Y., and opened publicly by the Trustees of Public Buildings in the Executive Chamber at that time.

Proposals shall be accompanied by a certified check or cash deposit to the amount of one hundred thousand dollars ($100,000).

The Trustees reserve for the State the right to reject any or all bids received if they consider it to the best interests of the State so to do.

Each bidder submitting a proposal will be required to furnish a guarantee from a surety

company or surety companies that it or they will furnish bond or bonds aggregating the sum of one million dollars.

The contract provides that the building shall be completed on or before the 31st day of December, 1910.

On and after April 30, 1908, drawings and specifications, the form of contract, the bond and blank forms for proposals may be obtained at the office of the architects, Palmer & Hornbostel, 63 William Street, New York, N. Y.

One set of plans, specifications, etc., will be furnished to general contractors upon application to the said architects and upon the payment of a deposit of $50, this deposit to be forfeited if the plans and specifications are not returned to the architects in good condition. Additional copies will be furnished upon the payment by the contractor of the net cost of the same. Plans and specifications will be supplied to sub-contractors wishing to submit to general contractors figures for the various departments of work, upon reasonable notice to the architects and payment of the net cost of the prints and specifications required.

ROBERT H. FULLER,
Secretary of the Trustees of Public Buildings, Executive Chamber, the Capitol, Albany, N. Y. 17-3t

ROADS.

Passaic, N. J.

Separate sealed proposals will be received by the Road Committee of the Board of Chosen Freeholders of the County of Passaic, N. J., on Wednesday, May 6, 1908, at the office of the Clerk, Court-house, Paterson, N. J., at 10 o'clock a. m., for repairing, macadamizing, etc., the following roads in said county of Passaic:

East 18th street, from Governor street to River street.

First avenue, from River street to the Boulevard.

Madison avenue, from Getty avenue to Main street.

River road, from entrance of Cedar Lawn cemetery to Simmond's pond.

River street, from N. Y., S. & W. R. R. to First avenue.

Twelfth avenue, from East 18th street to 22d street.

River road, from Gregory avenue bridge to Union avenue.

Van Houten avenue, from D., L. & W. R. R. to River road.

Ackerman avenue, from Lexington avenue to Canal bridge.

Bloomfield avenue, between D., L. & W. R. R. and Essex county line.

Valley road, from Great Notch road to Essex county line.

Two Bridges road, from Two Bridges to the Newark and Pompton turnpike.

Sixteenth avenue, from Straight street to Carroll street.

New Grand street, between reservoir and Little Falls turnpike.

Lackawanna avenue, from Passaic river to Union avenue.

Oakland road, from Norton house to Bergen county line.

Market street, from Straight street to River road. Tarvia.

Lexington avenue, from Weasel brook to Erie station. Tarvia.

Echo Lake road, from Baxter's corner to Crawford's corner.

Henry street, from Albion avenue to Redwoods avenue. Extension.

Gould avenue, from Main street to Hazel street. Extension.

Third avenue, from River street to the Boulevard. Extension.

Lincoln street, from Howe avenue to the Boulevard. Extension.

Specifications may be seen at the office of the Road Inspector or at the office of the Clerk, at the Court-house, Paterson, N. J.

A bond in the sum of $250.00, signed by two responsible bondsmen and conditioned that bidder will enter into contract if awarded, or a certified check in said sum of $250.00 must accompany each bid, whether bid cover or include one or more of the roads above enumerated.

Bids to be addressed to said Road Committee and indorsed "Proposal for repairing and furnishing stone and screenings on —— Road," as the case may be.

The right to reject any or all bids is expressly reserved.

Dated at Paterson, N. J., April 16, 1908.

WINFIELD S. COX,
Chairman Road Committee.
GEO. W. BOTBYL, Clerk. 17-1t

STATE OF NEW YORK—STATE COMMISSION IN LUNACY.
BINGHAMTON STATE HOSPITAL.
NOTICE TO CONTRACTORS.

Sealed proposals will be received by the State Commission in Lunacy, at the Capitol, Albany, N. Y., up to 3 P. M., on the 14th day of May, 1908, when they will be opened and read publicly, as follows:

Proposals for Nurses' Home, Middletown State Hospital, construction complete, including heating, plumbing and electric work.

Proposal for Nurses' Home, Binghamton State Hospital, construction complete, including heating, plumbing and electric work.

Proposal for Reconstruction of Power House, Binghamton State Hospital, construction complete, including plumbing.

Proposals for boilers and steamfitting in Power House, Binghamton State Hospital.

Proposals shall be accompanied by a certified check in the sum of Five Per Cent. of the total bid, and the contractors to whom awards are made will be required to furnish Surety Company bonds in the following amounts:

For each Nurses' Home—Twenty-five Thousand Dollars.

For Reconstruction of Power House—Fifteen Thousand Dollars.

For Boilers and Steamfitting—Ten Thousand Dollars.

The right is reserved to reject any and all bids.

Drawings and specifications may be consulted, and blank forms of proposal obtained at the Binghamton State Hospital and at the Middletown State Hospital, or at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders, upon reasonable notice to, and in the discretion of, the State Architect, Franklin B. Ware, Albany, N. Y.

R. E. McGARR, Secretary,
State Commission in Lunacy.
Dated Albany, N. Y., April 18th, 1908.
17-2t

STONE CRUSHER.

Wilkes-Barre, Pa.

Sealed proposals will be received by the County Controller at his office in the County Court House, Wilkes-Barre, Pa., until Friday, May 1st, 1908, at 2 o'clock p. m., for the furnishing of one portable stone crusher, capacity 8 to 12 tons per hour with elevator 22 feet in length; buckets, one piece of 12-inch gage steel; crusher to be mounted on heavy I-beams on four heavy wheels and to be fitted with two jacks over rear axle so that the machine can be easily levelled up and placed.

One revolving screen 8 feet by 32 inches with mesh as required for three sizes of stone.

One mounted bin, telescope style, three chutes on either side, bottom to be steel lined, with support on each corner of bin to take weight off of wheels and axles.

60 feet of 8-inch, 4-ply rubber belting.

One locomotive boiler and engine, mounted on wheels, 15 HP., the grates to be suitable to burn either pea coal or wood.

All of the above to be delivered f. o. b. cars where wanted in Luzerne County. Mechanic to accompany machinery and erect same ready for operation. Further information furnished by applying to County Commissioners' Office, Wilkes-Barre, Pa.

The right to reject any and all bids is reserved.

JAMES M. NORRIS,
Controller.
JAMES A. DEWEY,
Deputy. 17-1t
Wilkes-Barre, Pa., April 10th, 1908.

MACADAM ROAD.

Salem, N. J.

Sealed proposals for the construction of the Penn's Grove and Dancer's Mill Road, extending from the corner of Main and Oak Streets, in the Borough of Penn's Grove, to the Bridge over Game Creek, a distance of 3 2-10 miles, will be received by a Committee of the Board of Chosen Freeholders of Salem County, New Jersey, and will be publicly opened at two thirty p. m., on Saturday, May 9, 1908, at the Court-House in the City of Salem, N. J.

Plans and specifications may be examined at the office of the State Commissioner of Public Roads, State House, Trenton, N. J., at the office of Josiah Miller, Engineer, Head of Market Street, Salem, N. J., and at the office of Engineering News, New York.

Each bidder must enclose with his bid a certified check for one thousand dollars, payable to the order of J. F. Ayres, Director, as a guarantee that if the said work is awarded to him he will enter into a contract with the said Board of Freeholders for the due and faithful performance of the work, which contract, together with the bond of the successful bidder, must be executed within ten days from the time of the formal awarding of the contract by said Board, the said bond to be conditioned for the faithful performance of the work in strict conformity with the plans and specifications, and in the penal sum of at least the total estimated cost of the road.

Both contract and bond must meet the approval of the State Commissioner of Public Roads, and the Director of the Board of Chosen Freeholders of Salem County.

The board reserves the right to reject any or all bids.

J. F. AYRES, Director.
Attest:
C. C. FORD, JR., Clerk. 17-1t

PAVING.

Dunkirk, N. Y.

The Common Council invite sealed bids for paving Dove and Ruggles streets, approximately 15,800 square yards of pavement; also paving with brick, Front and Lake road intersections, approximating 2,100 square yards of pavement. Bids must be upon bidding sheets to be furnished by City Engineer, J. P. Morrissey.

Certified checks for 5 per cent. of the contract price must acccompany bids, and right is reserved to reject. Bids will be opened Tuesday evening, May 12th, 1908, and should be sent to the Common Council, marked, "Sealed Bids for Paving." Further information obtained from City Engineer.

L. N. MURRAY,
17-2t City Clerk.

WATER PIPE.

Bloomfield, N. J.

Sealed proposals will be received by the Town Council of the Town of Bloomfield at the office of the Town Clerk of said town until May 5, 1908, at 8 P. M., for the furnishing of about 5,000 lineal feet of 4-inch, 6-inch and 8-inch B. & S. Coated Water Pipe.

The 4-in. pipe to weigh about 22 lbs. per ft.
The 6-in. pipe to weigh about 30 lbs. per ft.
The 8-in. pipe to weigh about 48 lbs. per ft.

Quotations to be made F. O. B. cars, Bloomfield, N. J. Delivery in carload lots, as required.

Town Council reserves the right to reject any or all bids.

By order of the Town Council,
WM. L. JOHNSON,
17-2t Town Clerk.

WATER MAINS.

Saginaw, Mich., April 18th, 1908.

Sealed proposals will be received at the Office of the Board of Water Commissioners until Friday, May 1st, 1908, at 7.30 o'clock P. M., for the furnishing of material and performing the necessary labor to lay water mains in the City of Saginaw, as follows:

6,500 lineal feet of 24-inch pipe;
2,500 lineal feet of 16-inch pipe;
200 lineal feet of 8-inch pipe;

together with the necessary valves, hydrants, special castings, service connections and all accessories necessary to the full completion of same, in accordance with the plans and specifications therefor, on file in the office of the City Engineer.

Proposals must be made on blanks furnished by the City Engineer.

The Board expressly reserves the right to reject any and all proposals.

By order of the Board of Water Commissioners.

DAVID C. BELL,
17-1t Clerk of the Board.

Situations Wanted

MECHANICAL ENGINEER getting baldheaded over the drafting table, wants position as chief draftsman. Long experience in electrical hoisting and bridge machinery. Address "J. B. 17," Engineering News, 1636 Monadnock Block, Chicago. 17-2t

Situations Open

WANTED—A young man with about $5,000. Should be good scholar and of neat appearance. If you don't mean business don't answer. Address "D. A. 17," Engineering News, New York. 17-1t

MASTER MECHANIC—Experienced contractor's man wanted for job of about two years' duration in N. Y. State. State fully experience and salary wanted. FULTON CONTRACTING CO., Fulton, N. Y. 17-1t

Chief Engineer

The undersigned [illegible] companies, which at present are [illegible] building a water power plant of about 150,000 HP. with auxiliary electrochemical factories for saltpeter [illegible] manufacture and also own other [illegible] water powers, the development of which is planned, desire to engage as chief engineer for the electrical part of these plans a prominently capable electrical engineer who has occupied a leading technical position in some one of the large electrical firms doing business in all parts of the world. He must have experience in design and construction of large generators and switchboards. The man in question would be placed in charge of planning and supervising the construction of the electrical equipment of our power plants and factories (generators, switching equipment, transmission lines, electric furnaces, etc.).

The position is a permanent one, with a salary of about 10,000 to 20,000 Fr., according to qualification, with prospects of a share in the profits. The vacancy should be filled as soon as possible. Applications accompanied by certificates of employment and references are to be addressed to the undersigned.

A. S. RJUKANFOS,
A. S. Rjukan Salpeterverker,
Sommerrogaden 13, Kristiania,
Norway. 17-1t

Miscellaneous Wants

TO LET.

Part of a Well Furnished Office

Near Grand Central Depot, to Engineers or Estimator. Address "E. A. 17," Engineering News, New York. 17-1t

WANTED

Twelve Second-hand Western 2-Yard Dump Cars

36" Gauge.

DWYER & BARNARD, Rochester, N. Y.

A WESTERN NEW YORK CONTRACTOR

having complete plant for

Good Roads Construction

practically new, would like to make an arrangement with some one to help finance Good Roads State contracts. Address "I. 15," Engineering News, New York. 17-1t

FOR SALE

FOR SALE.

Brady Block Machine

It makes blocks 8 x 13, 8 x 24, 4-6, 8-10 thick, solid. Makes sill caps and water table up to 5 ft. long any size. Used one season. It is tamp and pressure. One-half the first cost. Also Little Giant mixer, only used on two jobs. 28" band saw, nearly new, adjustable iron table. A. J. WHITE, Big Rapids, Mich. 17-1t

FOR SALE

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